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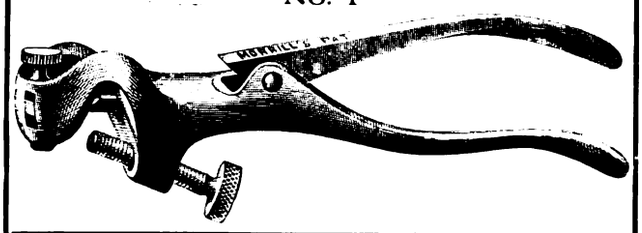
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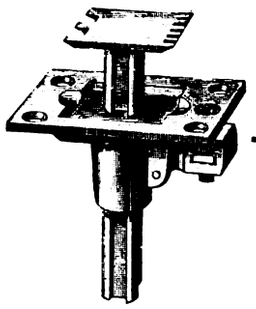
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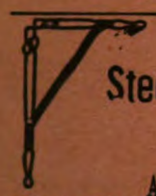
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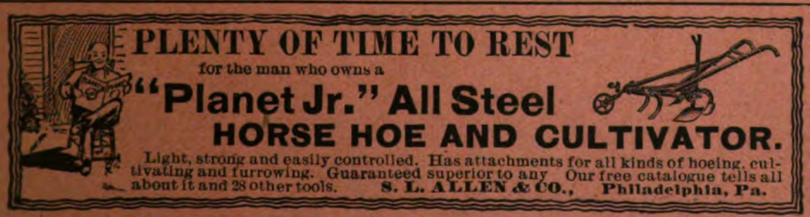
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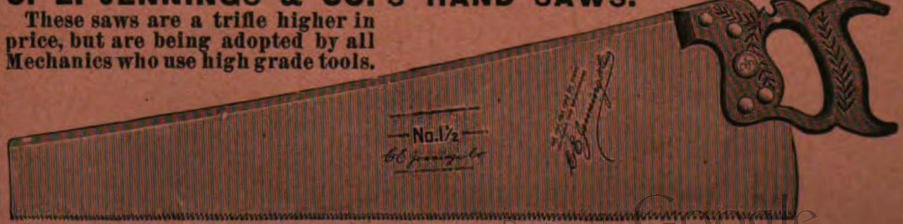
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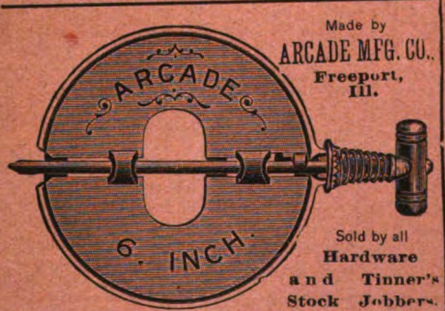


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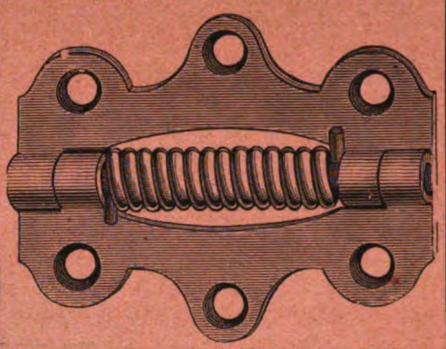
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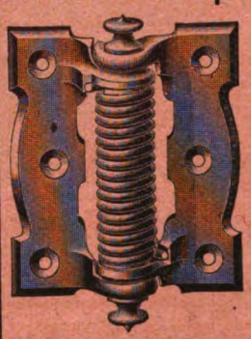
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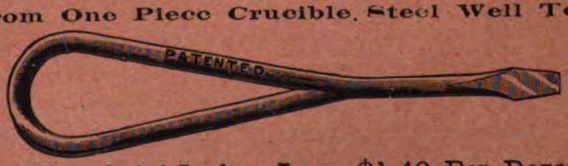
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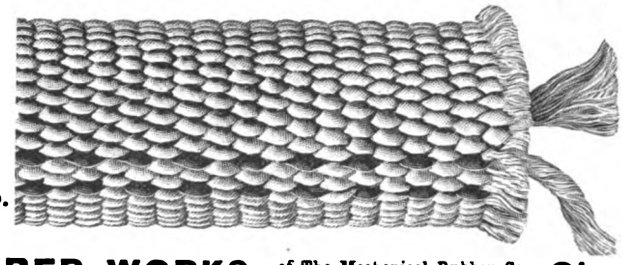


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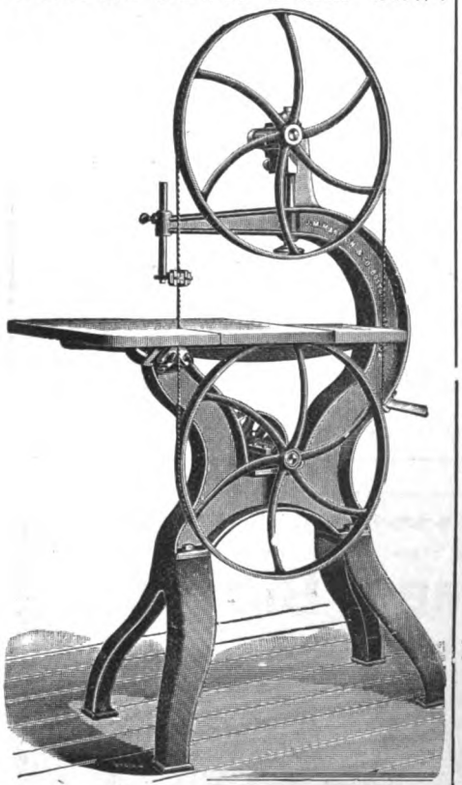
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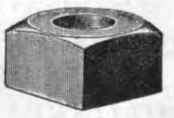
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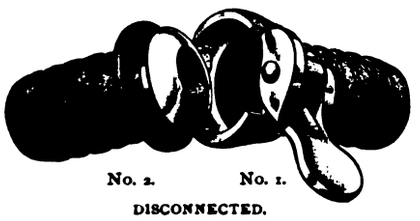
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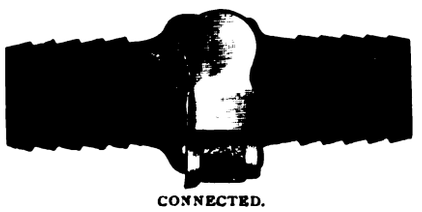
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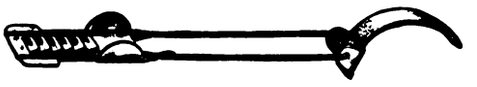
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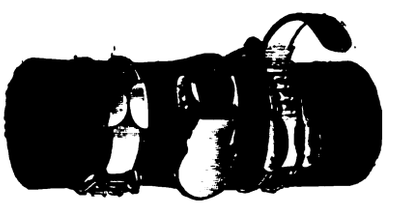


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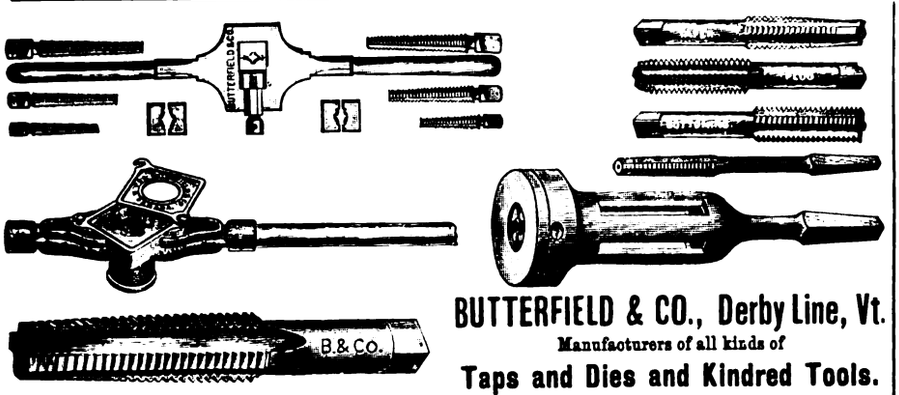
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HIGH GRADE LAWN AND GARDEN HOSE A SPECIALTY

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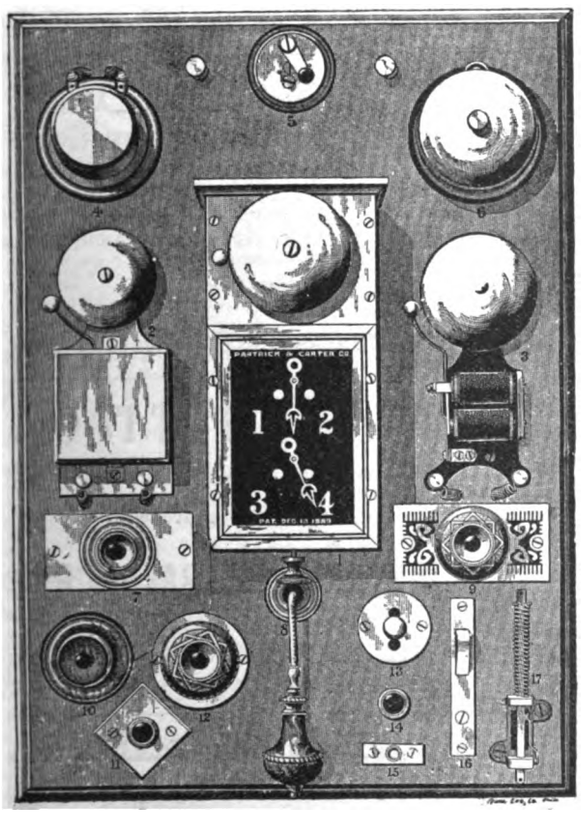
BUTTERFIELD & CO., Derby Line, Vt.
Manufacturers of all kinds of
Taps and Dies and Kindred Tools.

THEO. M. HASS,
MANUFACTURER OF
Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches
Clasps and Trimmings, for Albums, Books and Fancy Boxes.
Goods to Order a Specialty. Dies and Tools.
176 CENTRE STREET, (Opposite Eagle's Hotel) NEW YORK.

THE L. & I. J. WHITE CO., Buffalo, N. Y.
MANUFACTURERS OF
Edge Tools, Coopers', Carpenters', Ship. Full line of Chisels, etc.


BARK SPUD.

"Just a Few Samples"



Of Our Leading Specialties in Practical Operation Will Increase Your Sales of

ELECTRICAL SUPPLIES

FOR

HOUSE WORK

This Sample Board has Everything Connected and in Complete Working Order for Exhibition. The Board is Hard Wood, Size 15x22 inches.

Your Name in Gilt Letters.

Prices on application and mention of Hardware.

ESTABLISHED 1867 125 SOUTH 2D STREET
PARTRICK & CARTER Co
Electrical Supplies of all Kinds House Goods a Specialty
WRITE FOR CATALOGUE PHILADELPHIA

WEATHER VANES.



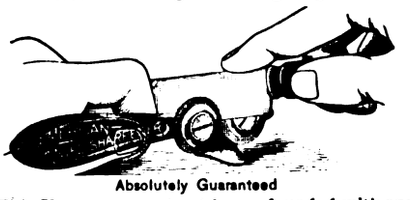
WEATHER VANE.

FENCING, STABLE FIXTURES, WINDOW GUARDS, GRILLES, FIRE ESCAPES, OFFICE RAILINGS, SIGNS, STAIRS, JAIL CELLS.
CATALOGUE FREE.

WIRE AND IRON WORK.

E. T. BARNUM, DETROIT, MICH.

The AMERICAN KNIFE SHARPENER.
PATENTED FEB. 23, '92.
Notice Bearing of Cutting Edges.


Absolutely Guaranteed

This Sharpener must not be confounded with any other on the market, as the quality and temper of the steel permits obtaining a razor edge, while the adjustment of the cutters insures durability. Send for trade discount. Sample by mail 25 cents.
MOSSBERG WRENCH CO.,
Manufacturers of Novelties, Attleboro, Mass.

You have no risk on the quality; We make only the best.



Sand Papers in Sheets and Rolls
Flint Paper
Garnet Paper
Emery Paper
Emery Cloth

H. A. FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co.
700 Market Street, Philadelphia
97 Beekman Street, New York
140 Milk Street, Boston
102 Lake Street, Chicago.

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WE ARE SOLE MANUFACTURERS OF
THE CELEBRATED BRANDS

Western Red End.
Quinnebog,
Blue Bank,
Diamond,
Berea,
Star.

Send for Catalogue C. 2, illustrating many other well-known brands of SCYTHE STONES also MOUNTED GRINDSTONES, &c.

THE CLEVELAND STONE CO.,
Hickox Building. Cleveland, O.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

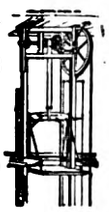
Is the BEST on the market.

Liberal Discounts to Dealers. Send for Catalogue.

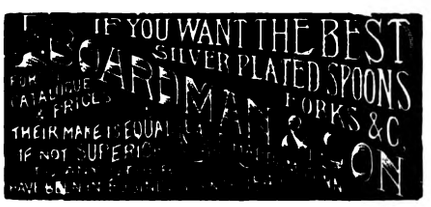
ENERGY MFG. CO.,
1223 S. 15th Street, PHILADELPHIA.

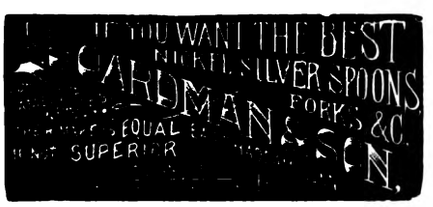
Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.
Kimball Bros. Council Bluffs, Ia.



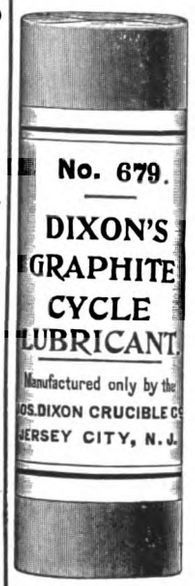




Reduced Prices for Painter's Colors

Send for our new (March 1, '95) net dealers price list for the Lawrence Colors in Oil. Quality, as before, unsurpassed. We want your trade, and if the best goods at closest prices count with you we should have it.

W. W. LAWRENCE, - - Pittsburgh and Buffalo.



Do You Sell Bicycles?

We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.



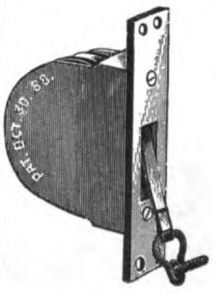
BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by
Geo. H. Mason & Co, 152 Blackstone St., Boston, Mass.



IF THE COAT FITS, PUT IT ON.

We make good goods, and sell them to the best trade, who sell the best class of Hardware. If there are any of the above who are not already selling

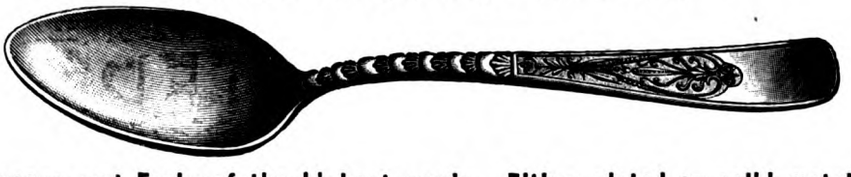
THE CALDWELL SASH BALANCE,

We solicit their orders.

CALDWELL MFG. CO.,
Box 1022. *ROCHESTER. N. Y.*

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

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Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT
Galvanized Iron
Tubing and Curb



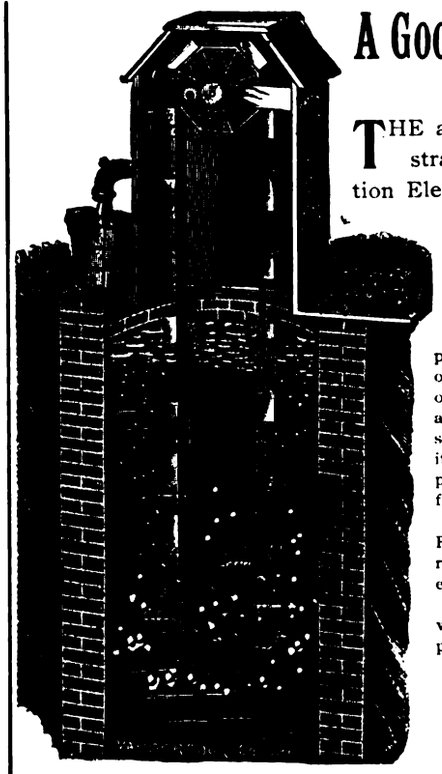
No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.

More Durability.
Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue.

Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.



A Good Article Will Always Sell

THE above fact has been thoroughly demonstrated by the large sales on the "Perfection Elevator and Purifying Pump" in the last eighteen months, when every other business almost has been at a standstill.

The prospects for a booming trade on the **"Perfection"** for the coming season were never better.

"The proof of the pudding is the eating." Our proof of the "Perfection" is the orders we now have on our books for Spring delivery. Dealers place your orders at once for shipment in the next ninety days, to avoid delay in getting your orders filled promptly, and sell the best pump in the world. If you don't believe it, write us for our illustrated catalogue and book on pure water, which contains hundreds of testimonials from the best dealers in the United States.

We have made another improvement in our D. G. Fixture, as well as our new combination spout and receiver of cast iron. Our guarantee to purify the foulest well or cistern in ten days use, always stands good.

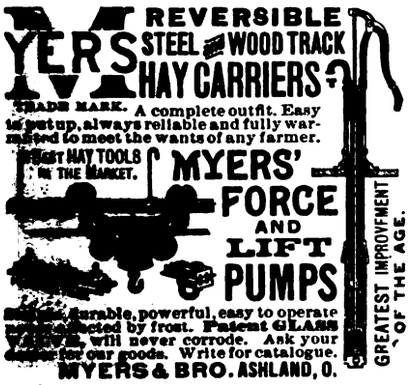
We are also manufacturing a new irrigation pump with capacity of one hundred to two thousand gallons per minute. Address us for prices. Mention this paper.

ST. JOSEPH PUMP CO.,
ST. JOSEPH, MO.

MYERS'

REVERSIBLE STEEL & WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to set up, always reliable and fully warranted to meet the wants of any farmer.



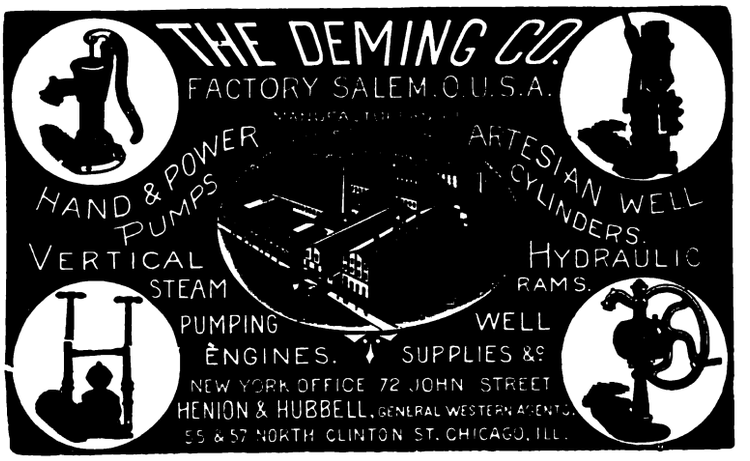
BEST HAY TOOLS IN THE MARKET.

MYERS' FORCE AND LIFT PUMPS

GREATEST IMPROVEMENT OF THE AGE.

Durable, powerful, easy to operate [illegible] protected by frost. Patent GLASS [illegible] will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.



PUMPS

WOOD AND IRON. OUR WOODEN PUMP IS THE BEST MADE. THEY ARE FIRST CLASS IN EVERY RESPECT. ONLY ONE DEALER IN A TOWN ALLOWED TO HANDLE THEM. WRITE TO US TO-DAY.

COMSTOCK & COONSE CO.,
INDIANAPOLIS, IND.

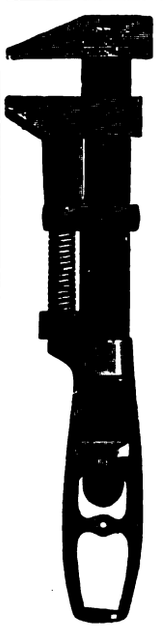
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A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

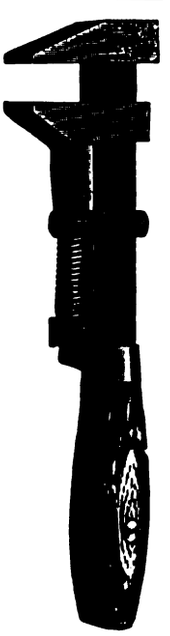
BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT

Screw Wrenches.



MANUFACTURED BY

COES WRENCH CO.,
WORCESTER, MASS.

Established in 1860.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.

Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

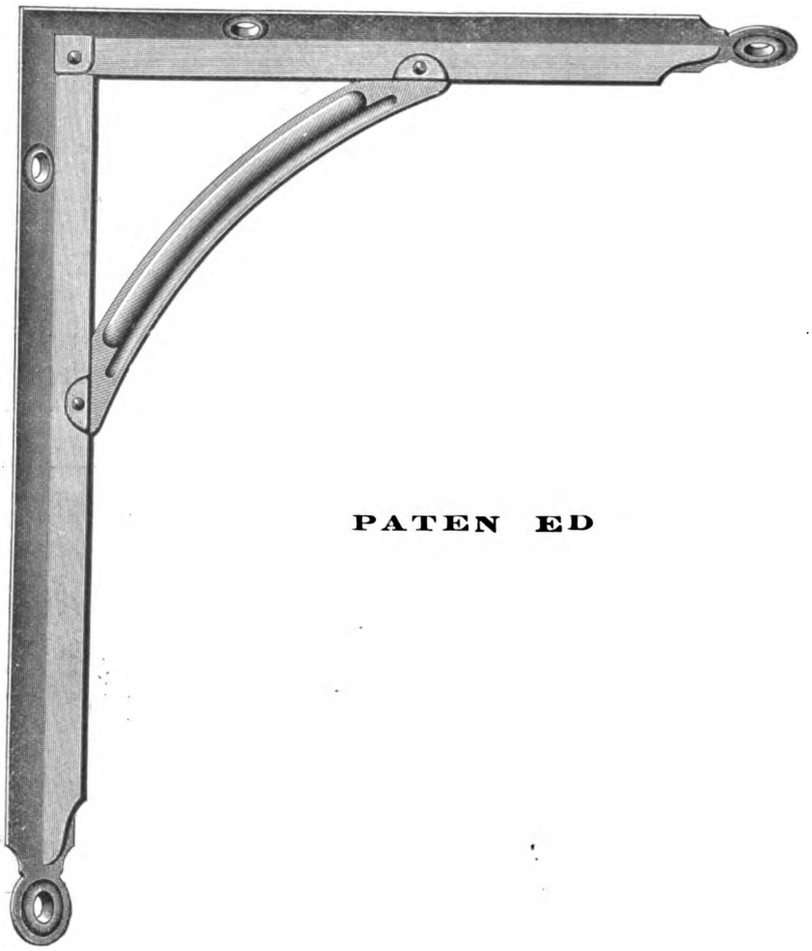
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A Perfect Shelf Bracket

—MADE OF—

WROUGHT STEEL.

Light! Strong! Elegant!



As a result of long and careful study and much experimenting we are able to offer the trade a

STEEL SHELF BRACKET

which is far superior to anything of the kind heretofore produced, and which we believe to be a

PERFECT ARTICLE!

We base our faith in these assertions on the following points of

SUPERIORITY:

1.—The use of the **arched** or **angle** forms of steel in the wall and shelf plates, which gives **much more strength** with less metal than if made flat.

2.—The **Corrugation** of the brace, which renders it secure against buckling or bending sideways under the severest strain.

The application of these principles makes a **Light, but very Strong Bracket.**

—PRICES ON APPLICATION.—

THE STANLEY WORKS, New Britain, Conn.
79 Chambers St., New York.

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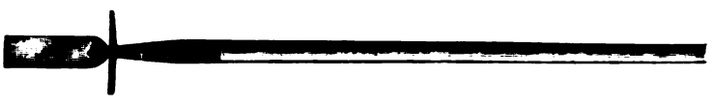
Withington & Cooley Manufacturing Co.,

JACKSON, MICH., U. S. A.

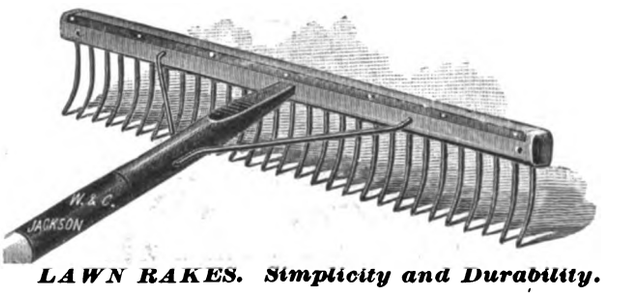
The Season is here. **« LAWN · TOOLS »** We Have Them.



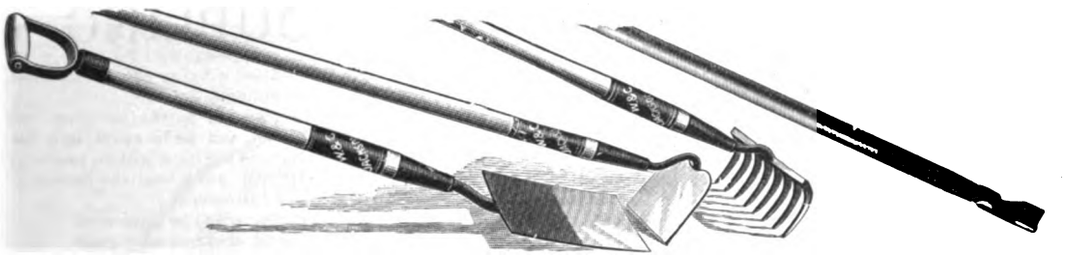
SHUFFLE HOE.



THISTLE OR WEED CUTTERS.



LAWN RAKES. Simplicity and Durability.



FLORAL SETS. Four Tools; not toys, but made in a first-class manner. Serviceable, of best material. Hoe and spade have forged steel blades, brightly polished. Rake is of malleable iron, latest pattern, and polished. Dandelion Spud is needed in every lawn or grass plat.



TURF EDGERS.

Also a full line of Farm and Garden Tools. Send for Catalogue and Prices.

The Forks which are attracting so much attention

THE

VICTOR {Braced Shank} FORKS

Of one piece of steel.

Made in

Manure and Header Fork Patterns.

Patented.



MADE ONLY BY

The Iowa Farming Tool Co.,

Fort Madison, Iowa, U. S. A.

Manufacturers for more than 40 years for home and foreign trade of

Forks, Hoes, Rakes, Scythe Snaths, Grain Cradles, &c., &c.

Illustrated Catalogue on application.

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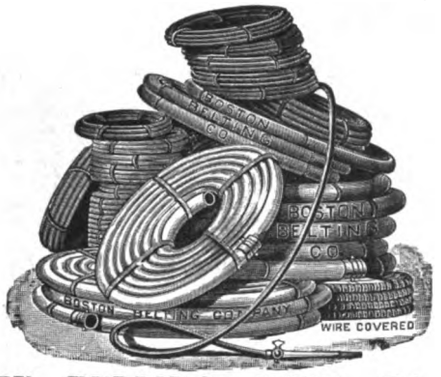
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | NEW YORK: 100 Chambers Street.

—Salesrooms:—

14 North 4th St...Philadelphia, Pa.
26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St .....Pittsburgh, Pa.
8-10 E. Michigan St Duluth, Minn.
[illegible] East 4th St....St. Paul, Minn.
9th St. & Wash'n Ave.St. Louis, Mo.
410-412 W. Fifth St.Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
137-9 S.Meridian St.Indianapolis,Ind
237 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
330 East Water St. Milwaukee Wis.
4 Monroe St., Grand Rapids, Mich.



WHY YOU SHOULD CATALOGUE AND SELL

THE HEATH BALL VALVE PUMP

And PATENTED

UNIVERSAL COUPLING.

It is the best known pump.
It is the most popular pump.
It sells easier and in larger numbers.
It gives satisfaction to the user.
All parts broken or defective, returned, replaced free.
It works easy and has great capacity.
It is fitted with our patent Universal Coupling.
We own the patent covering this device and have never sold the right to use it; it will be reserved for our pump and the benefit of our customers.
Infringers will be prosecuted.
Electros sent free on request.

RETAIL PRICE $2.00.

Liberal Discount to the Trade

Electros Free for Catalogue Purposes

Sole Manufacturers.

S. F. HEATH CYCLE CO.,

Minneapolis, Minn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Garden Sets.



Best Quality, Finely Finished.

No cast iron used in the manufacture of these goods. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.

P. . STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER.

KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST NEW YORK. 109

ADDIS'S Carving Tools. h-sterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."



CENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



BUCK'S HEAD.

TO GAIN SUCCESS IN BUSINESS,

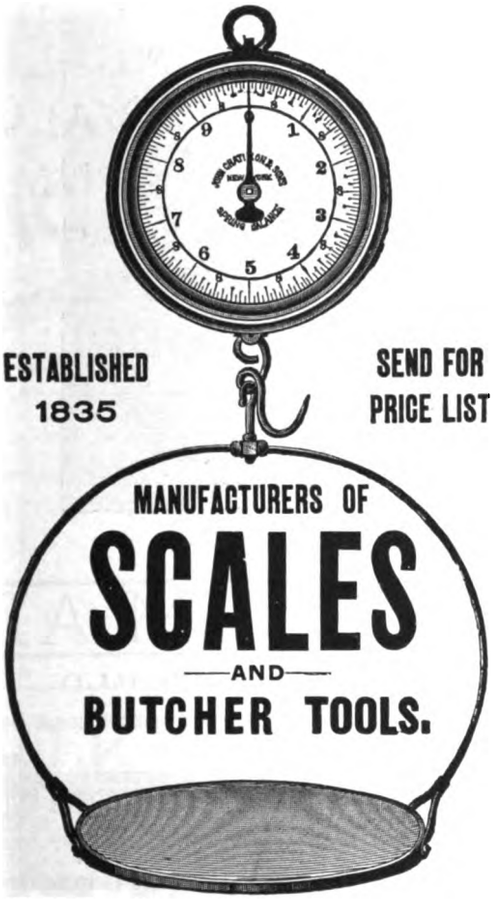
It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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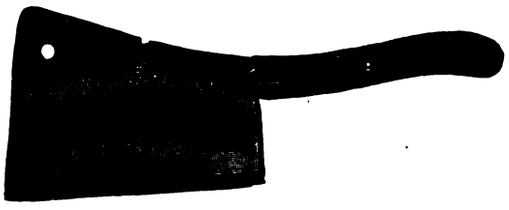
MANUFACTURERS OF

SCALES

—AND—

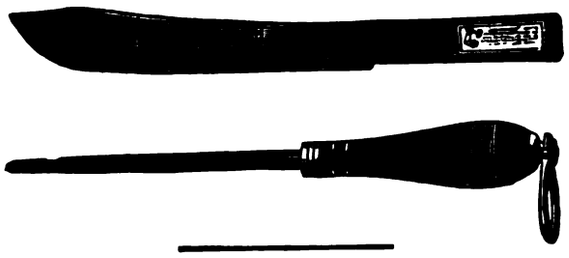
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

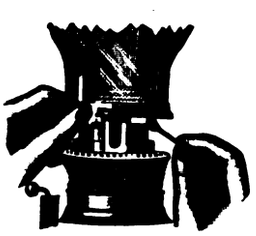
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

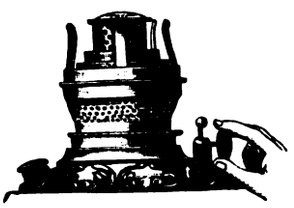
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.



Ratchet Wick-Raising Movement.



Patent Lighting Lift.

Shows Lighting Without Removing Shade or Chimney.

THE "ROYAL"



No. 866 Royal Lamp.

Has the *only* chimney lift which will stay in position while lighting the lamp.

It is the only lamp with the Ratchet Attachment to raise and lower the Draw Bar giving perfect control of the wick. It gives more light for the wick exposure and consumption of oil than any other lamp taking same size wick.

THE "BANNER" OIL STOVE.



Banner Stove. Height, 26 inches.

Will heat a room 15 to 20 feet square. No chimney. No smoke. No odor. Get one for your Bed, Bath and Smoking Room, Library, Nursery, Office or Conservatory.

SOLE MAKERS,

The Plume & Atwood M'f'g Co.

New York City. Chicago, Ill.

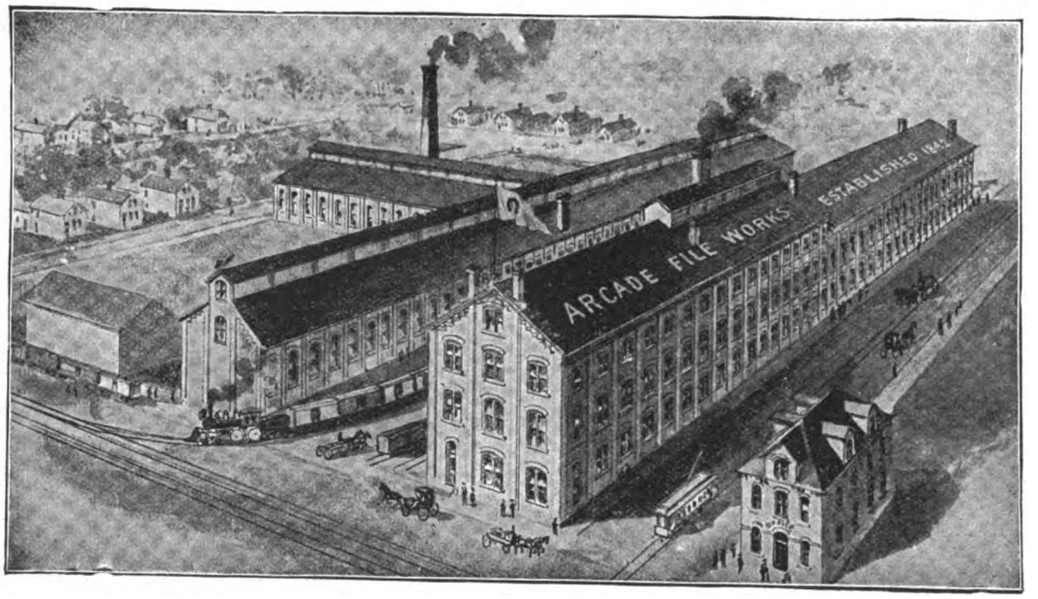
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

STANDARD OF EXCELLENCE.



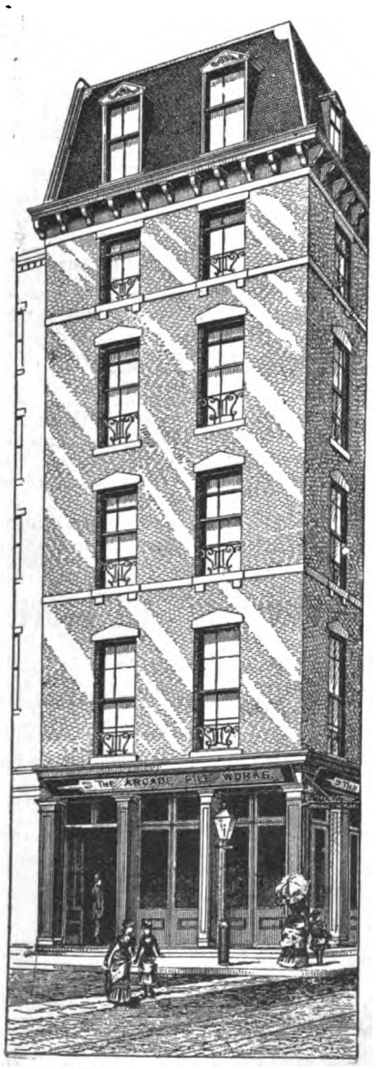
QUALITY UNEQUALED.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



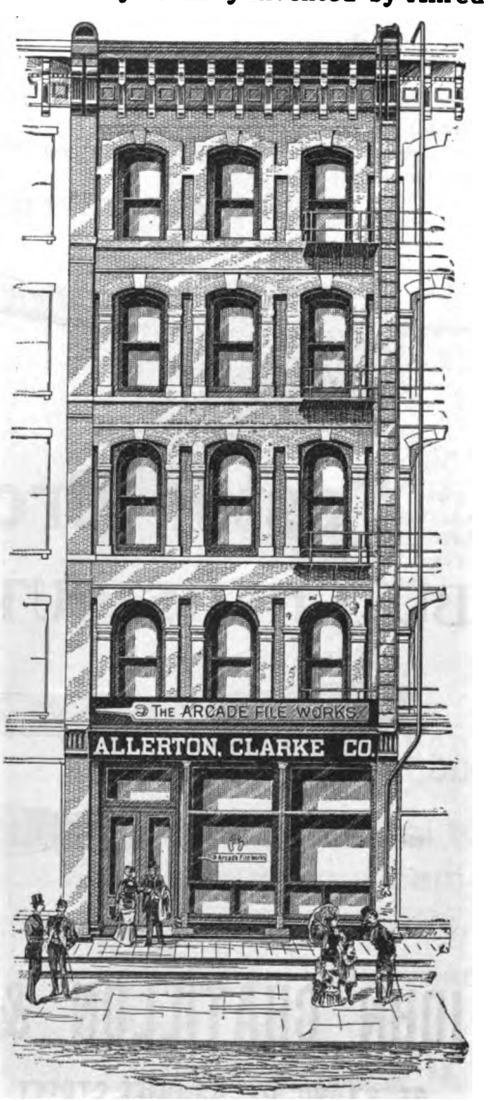
NEW YORK STORE.

OFFICES AND WAREHOUSES:

23 Lake Street,
CHICAGO.

83 Reade Street,
NEW YORK.

For the convenience of the jobbing trade, we have opened offices and warehouses in New York and Chicago, where we carry a large and complete stock, and are thus enabled to supply the trade promptly.



CHICAGO STORE.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

NICHOLSON FILE COMPANY

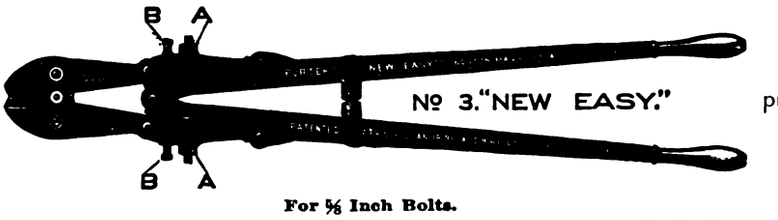
PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

Send for circular and price list.

Can be sold by all Hardware dealers.

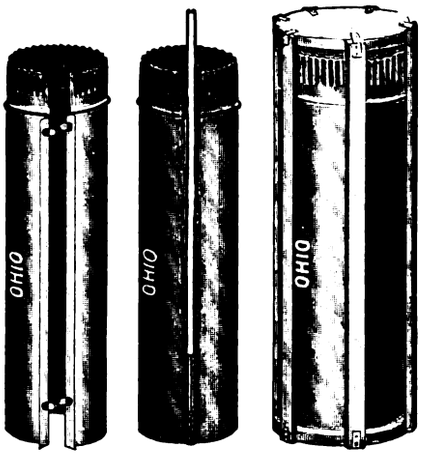
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no direc tions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizes:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in ... " 6½ in ... "

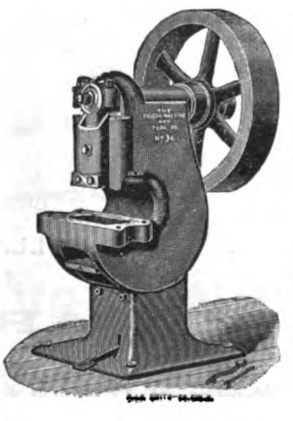
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

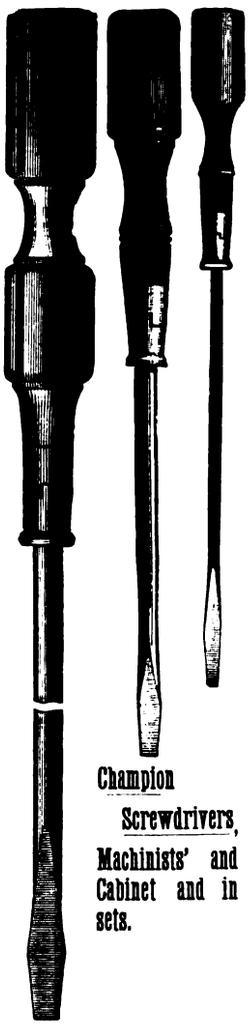
—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

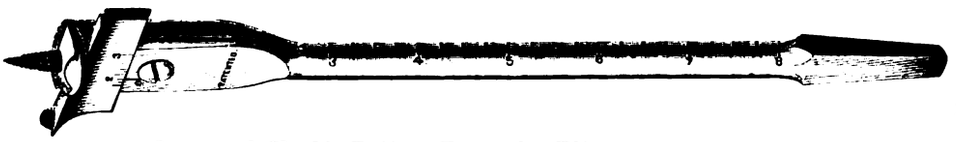
Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.

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Carpenters and Machinists' Tools.

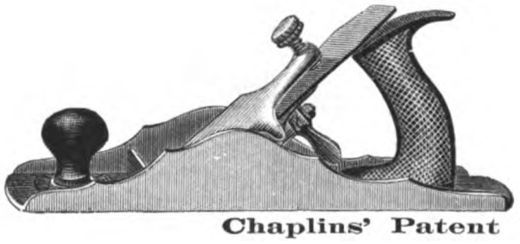


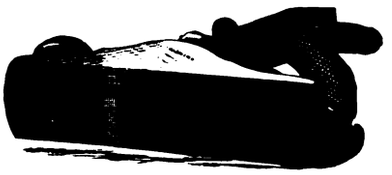
Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

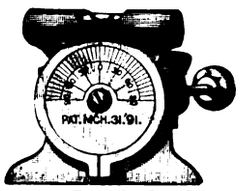
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





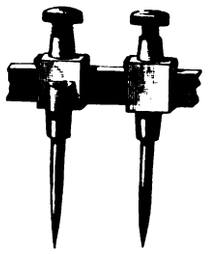
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.





Plumb Bobs and Trammel Points.

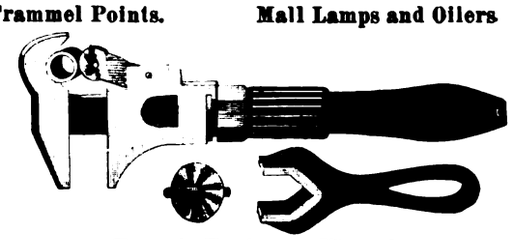




Mall Lamps and Oilers



Stephen's Pat. Vises.



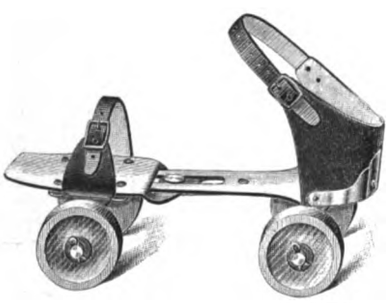
Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



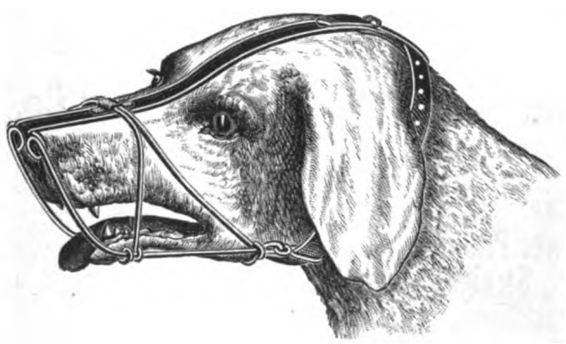
EXTENSION ROLLER SKATES.



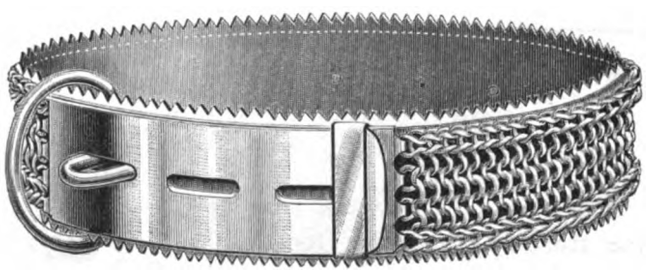
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

UNION HARDWARE CO.,

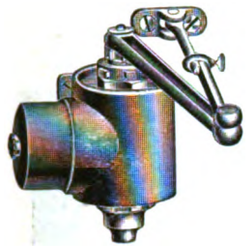
95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

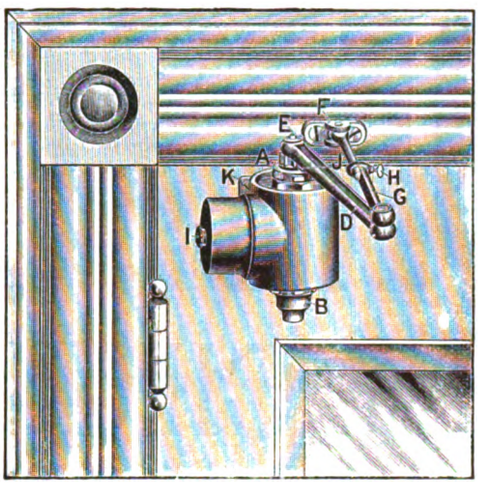
New York Office in charge of TOWER & LYON.

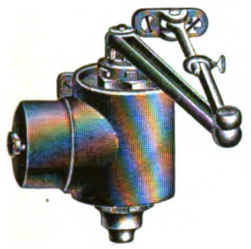
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CORBINS'

LIQUID DOOR SPRING AND CHECK.







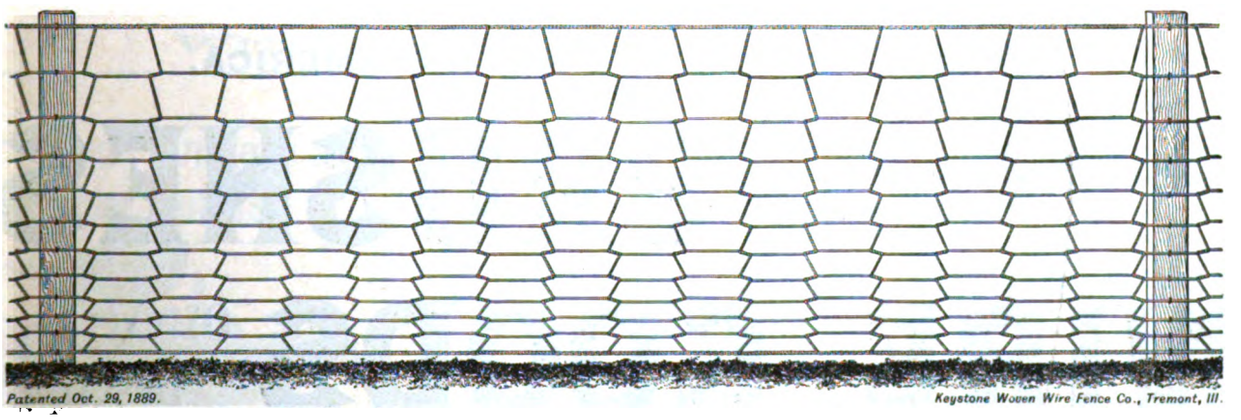

P. & F. CORBIN,

MANUFACTURERS,

FACTORIES & GENERAL OFFICES —AT— NEW BRITAIN, CONN.

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PHILADELPHIA: No. 975 Market St.



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IS ACKNOWLEDGED TO BE THE BEST.

Manufactured in Heights from 25 inches to 58 inches.

This Fence has been on the market upwards of six years, and has fully demonstrated its capacity for turning all kinds of farm stock.

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Keystone Woven Wire Fence Company,

31 LOCUST STREET, TREMONT, ILL.

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ESTABLISHED IN CINCINNATI, OHIO, IN 1819, THEY ARE

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WIRE GOODS Of every Description.

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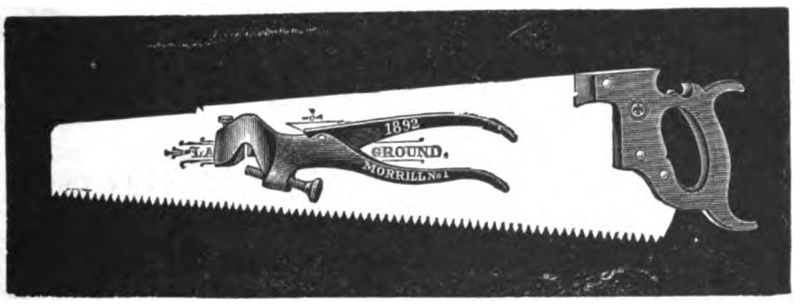
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181 Walnut Street. U. S. A.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

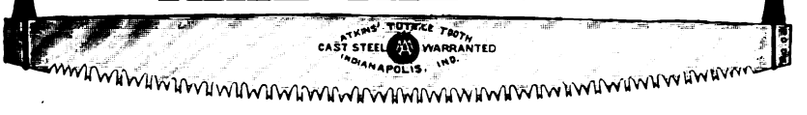
BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

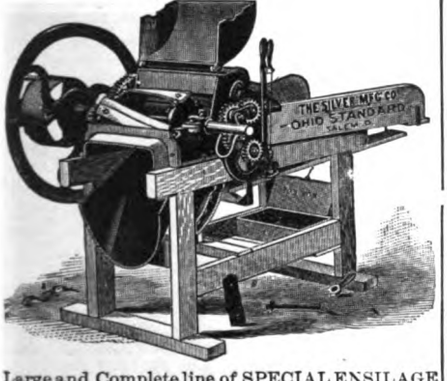
THE
ATKINS SAWS
TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

The "Ohio" Ensilage and Fodder Cutters.



Large and Complete line of SPECIAL ENSILAGE and GENERAL PURPOSE Machines.

THE SILVER MFG. CO., Salem, Ohio.

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.
THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	¼—¾	½—1	¾—1⅜	1½—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen.	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.

The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.

DRESDEN:
33 Werder Strasse.

LIMOGES:
46 Route de Paris.

LEONARD VIENNA AUSTRIA



LEONARD VIENNA AUSTRIA

P. H. LEONARD,

—Manufacturer and Importer—

VIENNA CHINA, LIMOGES CHINA,
AND FOREIGN GLASSWARE,
76 & 78 READE ST., NEW YORK

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LANDERS FRARY & CLARK
CUTLERS TO THE AMERICAN PEOPLE.

NEW BRITAIN, CONN.

NEW YORK: 298 Broadway.
CHICAGO: 126 State Street.
ST. LOUIS: Union Trust Building.
SAN FRANCISCO: 134 Sutter Street.

OUR NEW LINES.

"OLD PUT" GOODS.



"OLD PUT."

Manufacturers of the Famous Brand of "OLD PUT"

SHOE, BREAD, OYSTER, PUTTY, RUBBER, PAPER, AND CIGAR KNIVES, ETC.

We have bought the entire business of the Putnam Cutlery Corporation, patents, trade-marks, good will, tools, machinery, and stock of goods, and shall hereafter manufacture the line of Shoe, Bread, Rubber, Cigar, and other Knives that have become famous under the "Old Put" brand. These goods will be made identically as they have been hitherto. It is impossible to make them any better; and we solicit your orders for the "Old Put" line of goods.



SAMUEL LEE.

LEE'S CELEBRATED

BUTCHERS' STEELS.

Lee's Butchers' Steels are made of better stock and are cut by a process that gives them a more even and better cutting tooth than any other Steel. They are hardened by a process that makes SOFT SPOTS an impossibility and they will keep in first-class working order a life-time instead of wearing smooth and losing their "bite" as other Steels do.

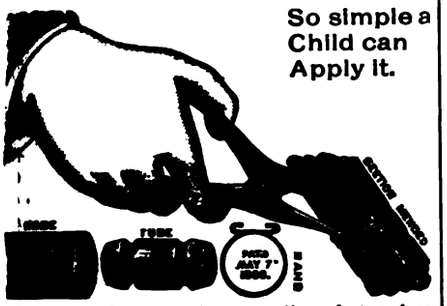
☞ Mr. Lee's sons, who have been making Steels for the past thirty years under their father's supervision, are now connected with us, and have complete control of making Lee's Steels.

LANDERS, FRARY & CLARK,

New Britain, Conn.

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Hudson's . . . .
Garden Hose . .
Mender . . . .



So simple a Child can Apply it.

Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. The Entire Outfit Retails for 75 Cents. There is a good profit in these goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

At, THE TOP



AND GOING TO STAY THERE

OPERATING: Wheeler, Madden & Clemson Mfg. Co. Richardson Bros. Harvey W. Peace Co. Woodrough & McPartlin

THE NATIONAL SAW CO.

GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists

CLIMAX WATCH



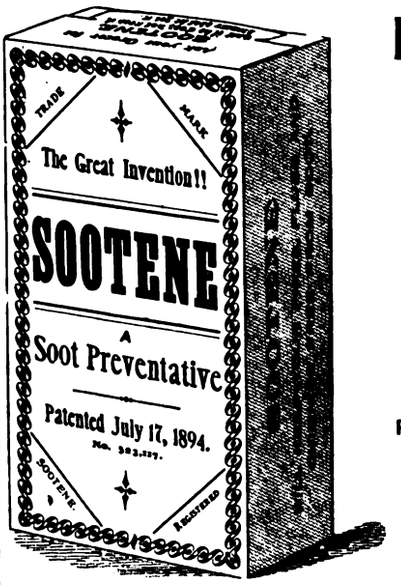
FOR

$2.00

American Lantern Pinion Stem Wind ¼ Plate Gilt and Nickel Plain and Fancy Cases.

Over 300,000 of our watches sold in 1894. Over one-half of them through the Hardware Trade. Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.



RETAILERS!

You can handle

SOOTENE

at a handsome profit. It is a grocer's invention, and its phenomenal sales indicate its intrinsic worth. Sole agency given to one merchant in each city. For further details write to the

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ROYALL GIVENS,
WHOLESALE GROCER,
Corpus Christi, Tex.

A business without advertising is like a gun without ammunition. Advertise in "HARDWARE."

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

Models, Special Tools

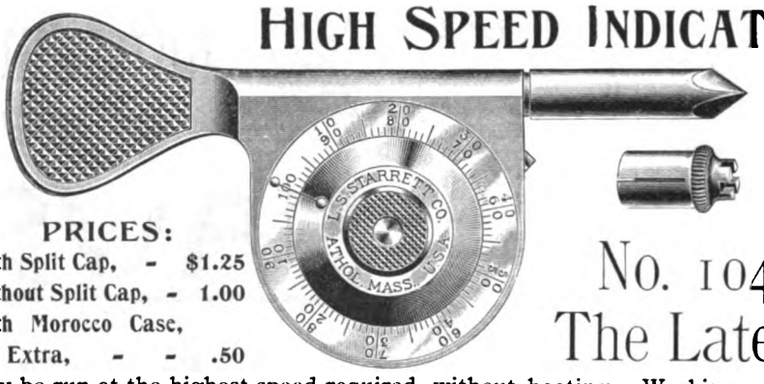
And the manufacture of all kinds of

SHEET METAL NOVELTIES.

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Starrett's

High Speed Indicator.



PRICES:

With Split Cap, - $1.25
Without Split Cap, - 1.00
With Morocco Case,
Extra, - - .50

No. 104.
The Latest.

May be run at the highest speed required, without heating. Working parts encased. Dial has two rows of figures, reading either right or left as the shaft may run. The o mark may be moved instantly to the starting point.

Send for 80-page Catalogue of Fine Mechanical Tools.

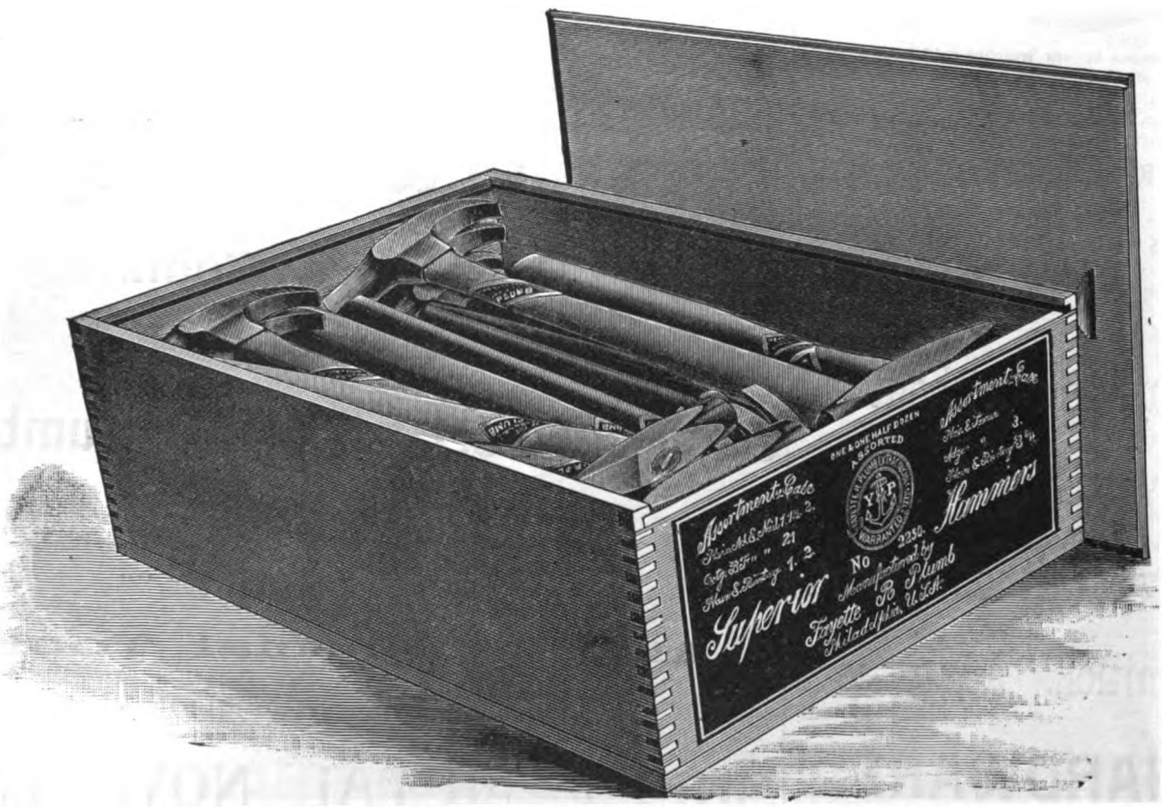
LONDON:
Chas. Churchill & Co., Ltd., 21 Cross St., Finsbury, E. C.
BERLIN:
Schuchardt & Schutte, 59 Spandauer Strasse.

The L. S. Starrett Co., Box 69,
Athol, Mass., U. S. A.

Here is a New Scheme.

1½ Dozen of the most popular Hammers assorted in a nice Wooden Box.

GET A SAMPLE BOX FROM YOUR JOBBER.



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BRIGHTON .

Patent
Family

✳
✳ ✳

FRUIT PRESS

IS

Strong,
Quick Acting,
Easily Handled,
Cheap.

TINNED ALL OVER.



BRIGHTON . .

PATENT

✳
✳ ✳

LARD PRESS

FOR

Family Use

IS

Serviceable,
Effective.

It is the Best.

TINNED ALL OVER.

EVERY good housekeeper in the land wants a small press for making Jellies, Syrups, etc. The

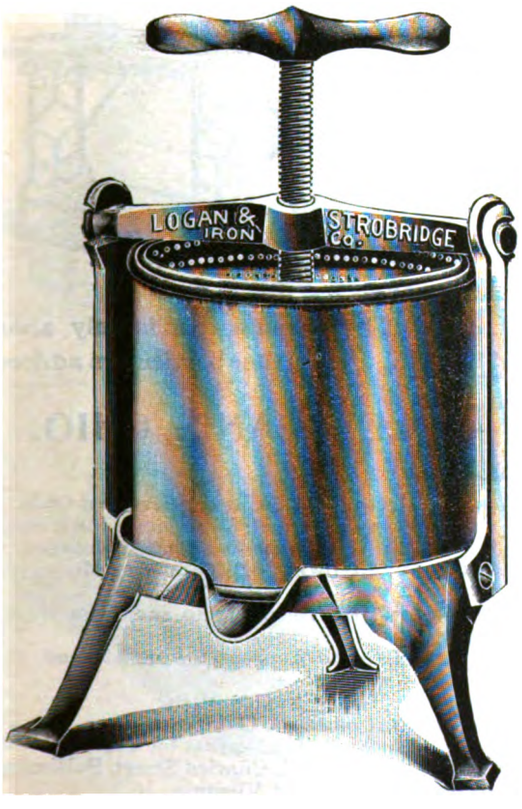
Brighton Patent Fruit and Lard Press

FILLS the bill, and is the only thing in the market that does. Every live, active store-keeper wants live, active, salable goods. The BRIGHTON PATENT FRUIT PRESS is alive and active. The women want it, and what they want they have.

. . . MANUFACTURED BY . . .

✳ **LOGAN & STROBRIDGE IRON CO.,** ✳

NEW BRIGHTON, PA.



. . IT . .

MAKES

JELLY . . .

✳

. . . SYRUP

✳

WINE. . . .

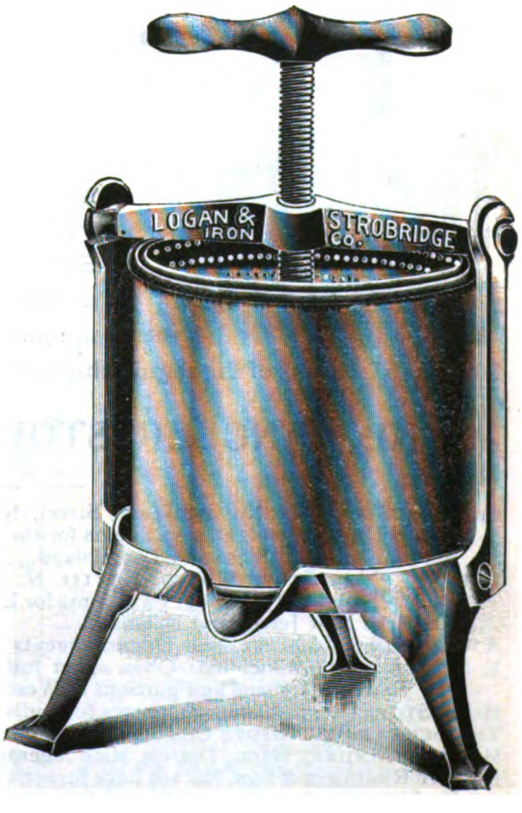
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EASY and QUICK

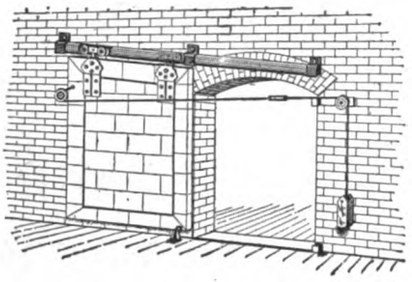
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TRY

. . IT . .



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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

Send for Catalogue.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of Rolling Ladders to reach shelving of any height.





COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

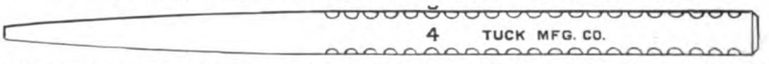
Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-



TUCK MFG. CO., ESTABLISHED 1852. **BROCKTON, MASS.**

TOOLS, CUTLERY AND SPRINGS.

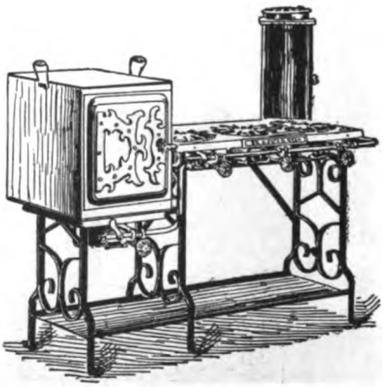


The popular Corrugated nail sets are made in five sizes with Round, Square or Hollow Points.

Send for Tool Catalogue.



Facts of Interest to the Public.



Our PROCESS for 1895, is the MOST PERFECT WORKING and MOST DURABLE PROCESS EVER PLACED ON THE MARKET, and HAS NO EQUAL.

In calling attention to the

"NEW GEM"

we offer the trade a stove FOR the PEOPLE and for the TIMES, CONVENIENT IN SIZE, with the same FLAME as the PROCESS, and will do the same amount of work with LESS FLUID. The original cost is only about ONE HALF that of the regular high stoves, and is MADE ONLY BY US. For further particulars address

THE DANGLER STOVE & MFG. CO., - CLEVELAND, OHIO.

AGENTS:

Barstow Stove Co, No. 228 Water Street, New York, and No. 56 Union Street, Boston, agents for the New England States, New York State and Long Island.
The Mt. Penn Stove Works, No. 111 N. Second Street, Philadelphia, and Reading, Pa, agents for Eastern Penna., Northern New Jersey and Delaware.
A. Baldwin & Co., Ltd., New Orleans, agents for Louisiana.
E. H. Huenefeld, Cincinnati, Ohio, agent for Kentucky and and Southern Indiana and portions of West Virginia.
Home Stove Co., Indianapolis, agents for Indiana.
The Schaab Puff Stove Co., St. Louis, agents for Missouri.
Messrs. Standart Bros., Detroit, Mich., agents for Michigan.
Robert Robinson & Son, No. 105 Lake Street, Chicago, agents for Illinois and portions of Iowa.
Weber & Gebhart, Dayton, O., agents for Southern Ohio.
J. P. Lindemann & Sons, Milwaukee, Wis., agents for Wisconsin, Minnesota, North and South Dakota and Montana.
The Richards Conover Hdwe. Co., Kansas City, Mo., agents for Kansas.
The Stollberg-Clapp Co., Toledo, Ohio, agents for Northwestern Ohio.
M. F. Tallmage, Buffalo, N. Y., agent for Buffalo and Erie Co., N Y.
Foster-Stevens & Co., Grand Rapids, Mich.
Bradley, Munk & Co, Columbus, Ohio.
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Wm. E. Galbreath, No. 26 South Charles Street, Baltimore, Md., agent for Maryland and Virginia.

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No Disagreeable Odor. No Ashes Light and Heat in Abundance.



No. 327. No. 3 Lift Burner. Nickel Finish.
Height, 32½ inches. Spread of Base, 12¼ inches.

THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" **THE LATEST AND BEST.**

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION: The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 **BURNERS** have a **FLAME OF 15 SOLID INCHES.** "**MILLER**" **HEATERS** have outside **SCREW ADJUSTMENT** for regulating the Wick and **PLUNGE MOVEMENT FOR EXTINGUISHING**; each one is supplied with an extra Flame Spreader so that Lamp can be used for **ILLUMINATING** when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the **FOUNT** and not on the **BURNER** in these Heaters.

In **IMITATIONS** of these Heaters the Cylinder is supported on the **BURNER, a CHEAP and WEAK CONTRIVANCE,** which makes it necessary to **REMOVE THE CYLINDER** for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

—MANUFACTURED BY—

EDWARD MILLER & CO., MERIDEN, CONN., United States of America.

New York Store: 10 & 12 College Place and 66 Park Place. **Boston Store:** 63 Pearl Street. **Chicago Store:** Rooms 808 and 809 Masonic Temple.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.



No. 328. No. 3 Lift Burner. Russia Iron with Nickel Lamp and Trimmings.
Height, 32 inches. Spread of Feet, 11¾ inches.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

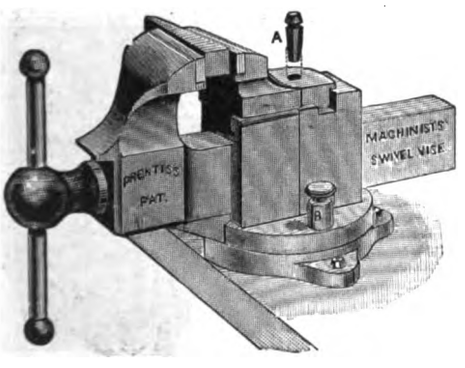
MANUFACTURED BY

J. H. CORT & SON,

41-51 Adams St., 138-154 Water St., **Brooklyn, N. Y.**



No. 12 Perfect.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

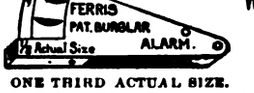
Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long.



Weight, 3 ounces.

ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

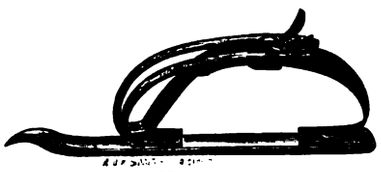
Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

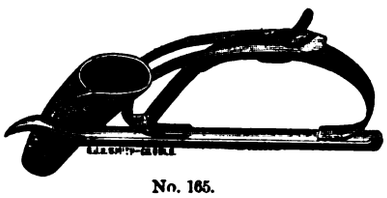
Can be attached or detached in a few seconds, or thrown out of position in an **INSTANT,** without detaching. Simple, neat, compact and strong All metal; nickel plated. Sells at sight. **Sample to Dealers, 50 cents.** Agencies given reliable houses. Write for prices in quantities.

Ferris Manufacturing Co.,
164 Washington St., CHICAGO, ILL.

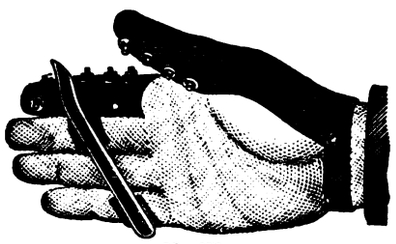
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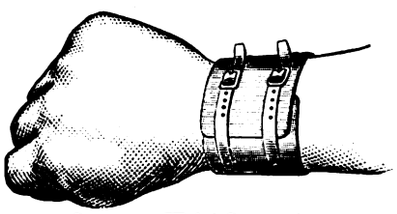
No. 160.



No. 165.



No. 170.



Sampson Wrist Supporter.

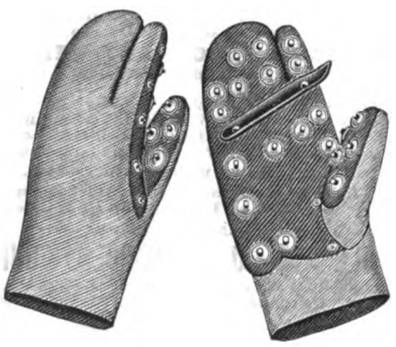
BLAIR HUSKING GLOVE CO.,

CHICAGO OFFICE, 227 Fifth Ave. Medinah Temple.

BUCYRUS, O.

No line of Huskers will bear comparison with our 1895 goods.

SEEING IS BELIEVING.



THIS entire glove is made of Duck, and all the wearing parts, seams and joints are covered with leather and protected with our steel disks, making the BEST WEARER, the BEST SELLER and the LOWEST PRICED GOODS on the market. Do not overlook this.

No. 025.—Drab or Brown Colored Leather Palms. Per doz. $4.50.

No. 050.—Brown Duck Covered with Brown Leather. Per doz. $4.50.

No. 125.—Calf Skin. Per doz. $6.00. **One Dozen Boxes.**

These Goods for sale by the Wholesale Hardware Trade.



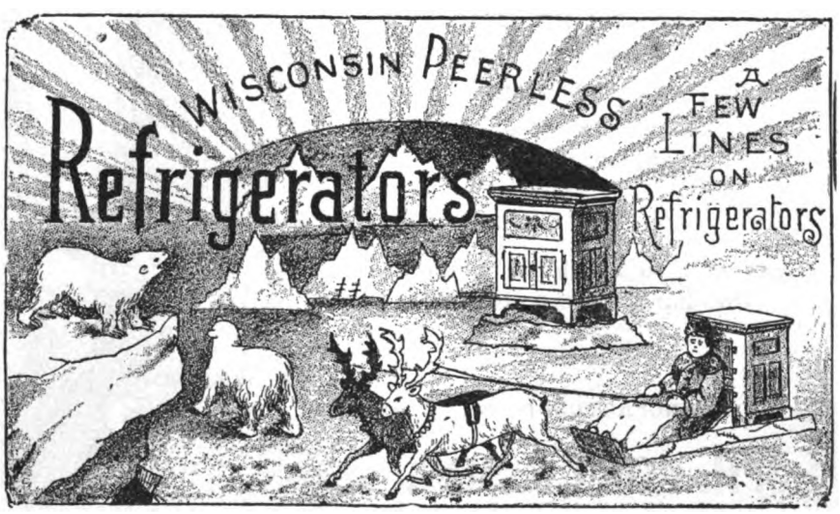
No. 138-147-052.



No. 142-146-152.



No. 150.



FROM DEALERS LOOKING FOR THE

Best Refrigerator Made

We solicit an opportunity of presenting the merits of our

"WISCONSIN PEERLESS."

Mineral Wool Filling. Absolutely cleansable. More and better talking points than all other makes combined. Absolute guarantee. Seventh season. For Catalogue address

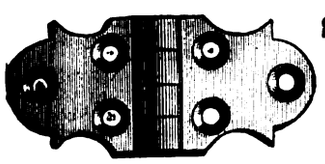
The Wisconsin Refrigerator Co., Eau Claire, Wis.

New York Office: Ross & Fuller Ass'n, 38 Chambers St.

New England Office: 175 Hanover St., Boston, Mass.

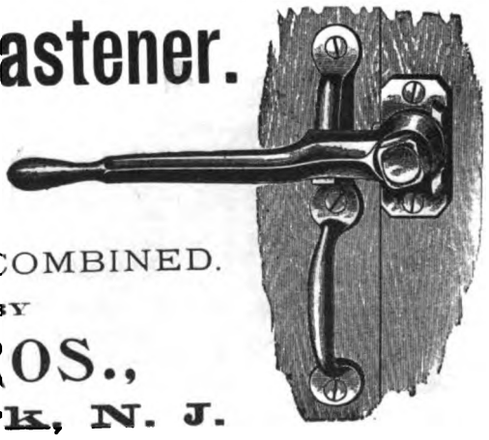
Philadelphia Office: Reeves & Smiley, 129 N. 2nd St.

Climax Refrigerator Door Fastener.



Simple,
Durable,
Practical

HANDLE and WEDGE COMBINED.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

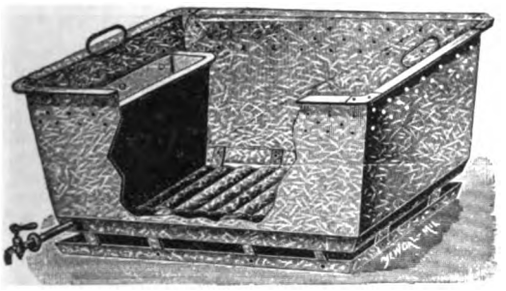
MANUFACTURED BY

BRABSON BROS.,

Newark, N. J.

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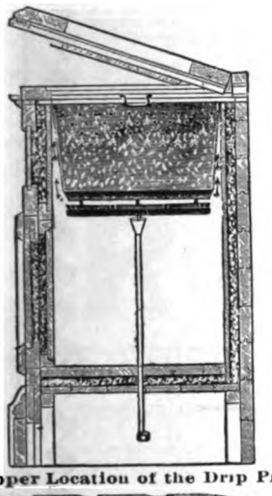
The Gurney Patent Refrigerator



Removable Galvanized Ice Compartment.

is the BEST SELLER, gives the BEST SATISFACTION and PROFIT to the dealer of any refrigerator on the market. BECAUSE—It has special FEATURES, "TALKING POINTS," SELLING POINTS, not found in other refrigerators.

1. By the use of a **Removable Galvanized Ice Compartment** the **"Gurney"** can be cleaned. This feature alone assures its sale.
2. Under the **"Gurney"** principles of construction the **lowest** average temperature is reached with the **greatest economy of ice,** as fully explained in our catalogue.
3. In the **"Gurney"** the ice does not come in contact with the zinc side walls, thus preventing condensation or "sweating" on the inside linings, an important feature of cleanliness and durability.
4. It is packed with Mineral Wool (the best non-conductor known).
5. It has the freest circulation and dryest air, there being a large space around the four side walls of the ice compartment, thus giving about six times the condensing surface of any other refrigerator.
6. In style and finish it leads all competitors



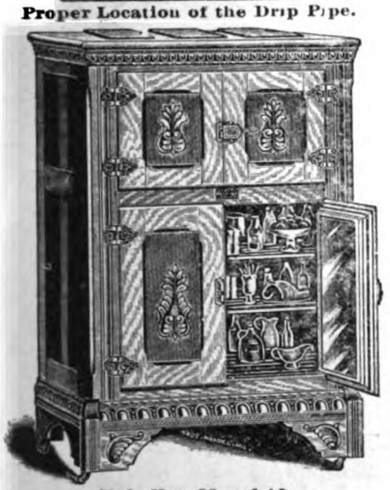
Proper Location of the Drip Pipe.



Nos. 1, 2, 3, 102, 103 Refrigerator.



No. 21, 22, 121, 122.



Style Nos. 39 and 40



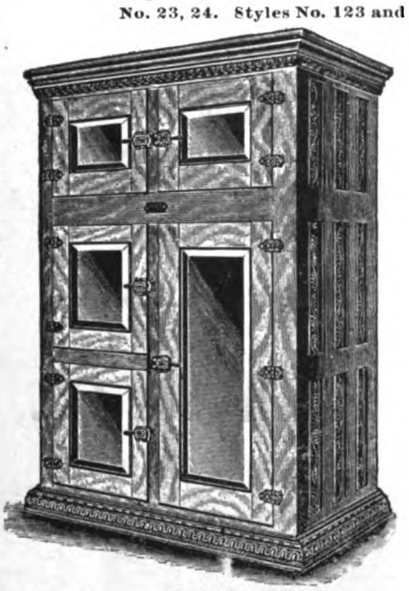
No. 23, 24. Styles No. 123 and 124.



Style Nos. 41 and 42, 141 and 142.



Style No. 125, 126 and 127



Style No. 66



Style No. 192.

WE ALSO MANUFACTURE THE

La Belle Line and Badger (Linden Wood) Line of Refrigerators, making the fullest line of the Best and Cheapest.

—Send for Illustrated Catalogues.—

NEW YORK OFFICE:
105 and 107 Hudson Street,
LLEWELLYN BONHAM.

GURNEY REFRIGERATOR CO.,
FOND DU LAC, WIS.

NEW ENGLAND OFFICE:
40 to 46 Union St., Boston, Mass.
S. M. HOWES & CO.

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Forehand Arms Co.'s

LATEST MODEL

Ejector and Non-Ejector . . .

. . . Hammerless Double Gun.



WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue, address

FOREHAND ARMS CO.,

WORCESTER, MASS.

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Truss Bottomed FLAX FIBER Pails

Overcome all objections. They **are not** clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They **are** strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the **truss bottom** holds up its load, but is immovably affixed to the pail. Every man and woman who sees w nts them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him **free**, express charges **unpaid**, a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.

THE

GRIP

WIRE STRETCHER.

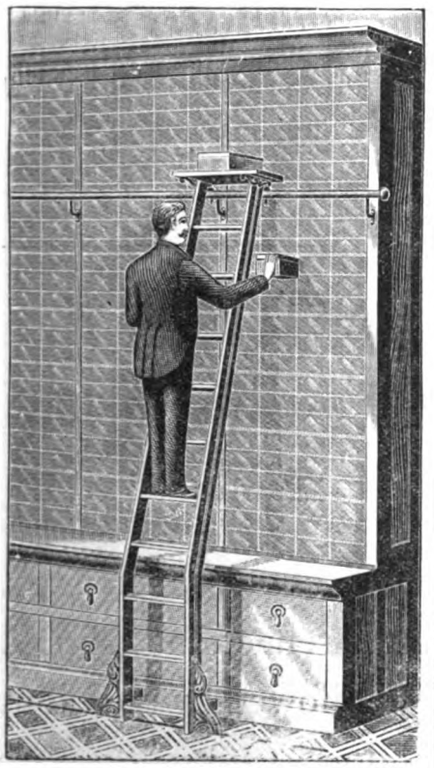
THE BEST, STRONGEST AND CHEAPEST MADE.

Is the only stretcher that will stretch chicken wire. Write for prices to

W. C. HELLER & CO., MONTCLAIR, N. J.

The Bicycle Step Ladder

Especially adapted for Hardware Stores



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Wri e us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & Co., 80 John St.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS

THE BEST

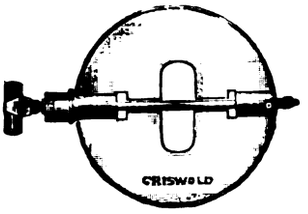
For GAS or GASOLINE STOVES.



Easy to Clean.

LONG WOOD HANDLES.

BUY NO OTHER.



Wood or Nickel Handle.

Ask for the

AMERICAN: BEST SELLER.

BUY NO OTHER.



JUST OUT

BEST CLIP MADE.

Send for Samples

Griswold Mfg. Co.,

Erie, Pa.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

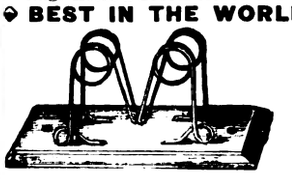
Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

TO KEEP A BROOM

Use the **COMMON SENSE BROOM HOLDER.** It keeps a broom dry, keeps it in shape, keeps it from rotting. **Holds a Broom either end up.**

BEST IN THE WORLD.



"WIRE HANGERS."

12 STYLES FOR

Ladies and Gents Garments.

WRITE FOR PRICES TO THE

BARBER-KOENIG MFG. CO.,

No. 115 North Vine St., Hazleton, Pa.



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To The Hardware and Cycle Trade:

We are offering the finest lines of the following goods in New York City and specially **commend them** to those who are **re-fitting their stores or establishing new ones. Our prices are the lowest** in the market, consistent with high quality goods. ∴ ∴ ∴ ∴ ∴



Empire Desk Co., 406 Broadway, New York.

— MANUFACTURERS OF —

ROLL-TOP DESKS, STORE STOOLS, CASHIERS' AND TYPEWRITERS' DESKS, FILING CASES, CHAIRS,
And the Largest Line of OFFICE FURNITURE in New York.

Office Partitions, Railings, Sample Tables, or any kind of Special Work to order.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

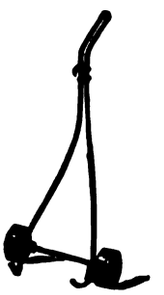
NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

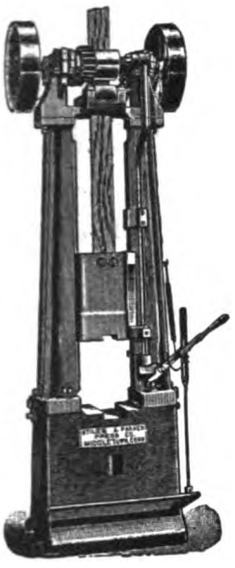
The G. L. Van Namee M'f'g Co.,

Gouverneur, N. Y.
U. S. A.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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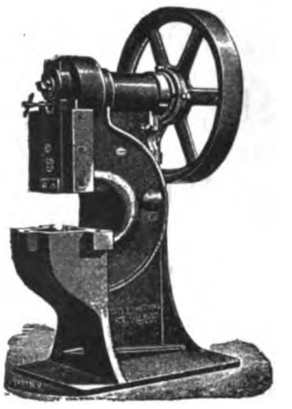
E. W. BLISS CO.

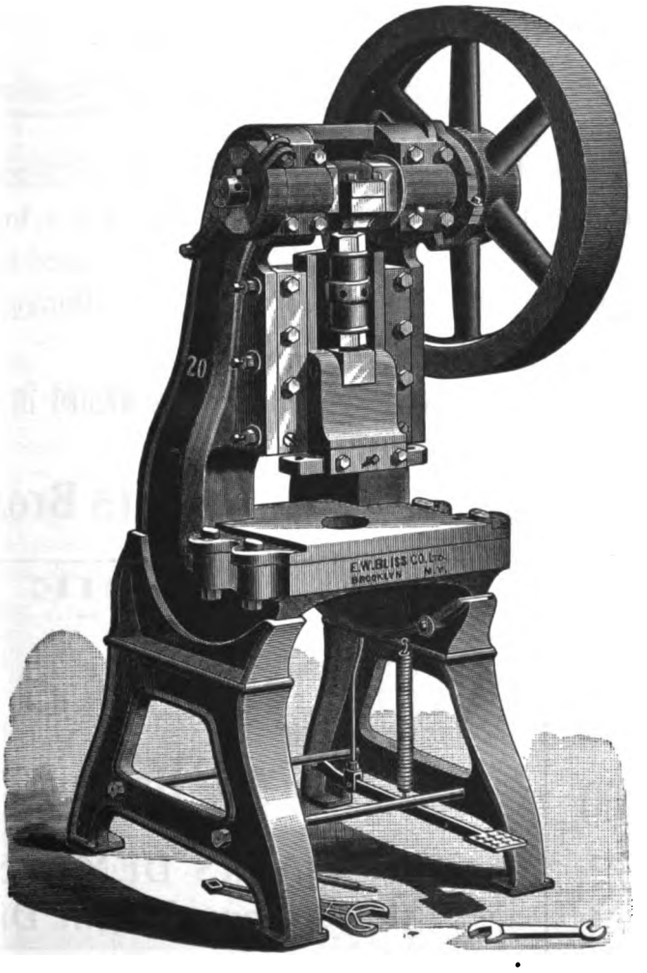
AND

STILES & PARKER PRESS CO.

18 ADAMS STREET,

BROOKLYN, N. Y.



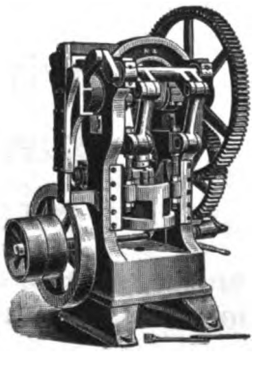


Presses, Drop Hammers, Dies and Special Machinery

FOR

Hardware, Drop Forgings, Lamps, Tinware, Bicycles, Etc.







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REMINGTONS FOR '95

have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:
MENS'
$100,
$90,
$75.
26 in. Boys'
$50.



PRICES:
LADIES'
$100,
$75.
26 in. Girls'
$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

Send for Illustrated '95 Catalogue free. Agents wanted in unoccupied territory.

REMINGTON ARMS CO., 313-315 Broadway, New York.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,
Varnish Makers
—AND—
Color Grinders,
TIMES' BUILDING. NEW YORK

WATERBURY BRASS CO.,
296 Broadway, New York.
Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.
—:—PERCUSSION CAPS OF ALL KINDS.—:—
HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.
TAPE MEASURES.
EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

THE
Roller Skates
Are Having Their Innings Now.
The SIDEWALKS DEMONSTRATE that on any Bright Day

A Full Line on Hand.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

Catalogue Sent on Application.

DEALERS Who Wish to Keep up with the times must have a stock of Roller Skates on hand.

The Demand is sure to come.
Prepare in time to meet it.

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HARDWARE

VOL. XI. APRIL 10, 1895. NO. 1.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY.
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 13 PEARL STREET.
CINCINNATI, - - - - - No. 101 NEAVE BUILDING.
LONDON, - - - Nos. 9 & 11 FENCHURCH AVENUE, E. C.
MELBOURNE, - - - - - McLEAN BROS. & RIGG.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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"Hardware's" Fifth Anniversary.

Five years ago to-day, the first number of HARDWARE was issued.

The brief period of time just completed, seems short enough in the measure of years; and yet it has been long enough for the realization in some sense of ideals; long enough to demonstrate the right to exist; long enough to justify a venture that may, to some, have seemed uncertain; and, above all, sufficiently long to prove that the Hardware trade would generously and willingly support a journal devoted entirely to the interests of that trade—a journal that sought to give it an intelligent, loyal and enterprising service.

The first issue of HARDWARE—modest as to size and promises—was received in a manner that foreshadowed the gratifying success these five years have garnered. It was hardly in the hands of the trade before the fact was demonstrated beyond question that there was a field for its endeavor—that it was needed as an exponent of a great trade that had theretofore been classed only as a department of the iron industry. Such response came in subscriptions, in advertising patronage, in encouraging and cheering endorsements, as enabled each issue to show an improvement upon its predecessor. And thus gradually from small beginnings, HARDWARE has grown in size and influence, until at the end of its first half-decade, it is able to command the generous and hearty endorsements as to its character and influence that can be found elsewhere in this issue—endorsements from scores of the leading houses in the trade; endorsements that no gold could buy, and that are made possible only because they were thought to be deserved.

It has been thought appropriate to celebrate this Fifth Anniversary by the publication of an issue a little out of the routine order. The number speaks for itself; if it does not win the commendation of our readers upon its appearance and merit, nothing that we can say would win it. We have but a word to say further in this connection. The heartfelt gratitude of all who have to do with HARDWARE, is extended in terms of the warmest sincerity to all who have made the record of these five years possible—to those who by support of a material nature, by voice, by pen, by loyal and earnest encouragement, have aided us from day to day and year to year; and this acknowledgement is the more especially due to those who gave this generous service at a time when the future of HARDWARE was largely a matter of faith and expectation.

Do Hardware Associations Pay?

A number of letters upon an interesting topic are found elsewhere in this issue. In the preparation of out fifth anniversary number, the thought occurred that, as the great movement toward organized association within the trade had occurred within the past five years, the discussion of results by men who have special knowledge upon the subject, would be of interest. A letter of enquiry was therefore addressed to the officials of the leading organizations, in which this question was directly asked: "What benefits have accrued to the trade through your Association?"

The subject is one in which HARDWARE has naturally an interest. The steps taken by its management to bring the Hardwaremen of New York together in an annual dinner, are matters of recorded history; its suggestion that an organization should grow out of the dinner, was a matter of logical conclusion; and the New York Hardware Club stands as a visible and magnificent result of that movement. From these dinners and this club, has come directly the great movement toward organization that has carried the entire trade before it within the past three years; have come the dinners and reunions that it is our pleasure so often to record; has come that feeling of fellowship and brotherhood that has carried its beneficial effects into the trade in a thousand ways.

How great these benefits have been, the letters in response to our enquiry best show. One writer speaks for the iron, steel and Hardwaremen of Western New

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England; another for the retailers of Ohio; another for the manufacturers of vapor stoves; another for the manufacturers of America; and others for the Southern jobbers; the retailers of New England; and still others for other branches of the trade.

The verdict is unanimous. Only good has come from association and organization. Of course, the full measure of possible good has not been realized—was not to be expected. But sufficient has been accomplished to show that the trade is traveling in the right direction.

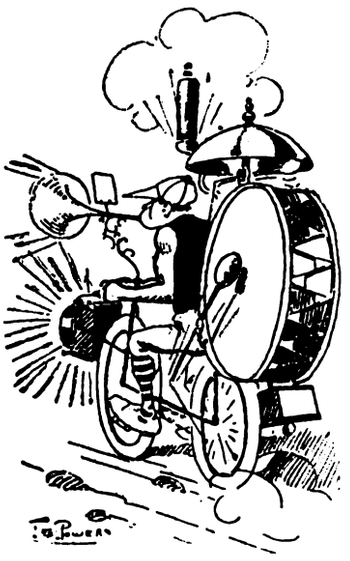
It is with pleasure that attention is called to several matters of especial interest in to-day's issue. Among these, Mr. Saxton's views upon silver and the money question will be found especially valuable. Mr. Maher talks about "Bargain Counters," out of a business experience of exceptional value; Henry Hopkins tells us more about "the good old days"—no better, by the way, than these good modern days; various officials of Hardware organizations discuss the good that has followed their creation; a writer of experience discusses several questions in a practical way for practical men; portraits are given of C. W. Dunlap, of the gentlemen who have the direction of the great sportsmen's exposition in charge, and of others well-known to the trade; the Hardware centre of New York is discussed; and these are accompanied by many other articles of a trade and general character. There is not a page that will not pay perusal; and those devoted to the business announcements of American manufacturers and jobbers are, in practical use to the Hardwareman, the most valuable of all.

An international exhibition of farming and agricultural machinery will be held in Vienna, Austria, May 4, 5, 6 and 7, 1895. Some American firms are expected to participate.

An advertiser should place his announcement where it will reach the men who purchase his wares. HARDWARE reaches the Hardware jobbers and retailers of America.

The Canadian tinware manufacturers have decided to make open prices on pie and jelly plates and pieced ware, withdrawing these lines from their Association list.

Suggestion for Law-Makers.



"Bicyclists must give sufficient warning of their approach when within 100 feet of a street or road crossing, by means of such sound-producing devices as shall be approved of by local authorities."—*New York World.*

Axe Making in the United States.

The following interesting article was prepared for HARDWARE by the president of the Standard Axe & Tool Works, Ridgway, Pa.:

Within the memory of men now living, the manufacture of axes was quite generally carried on by country blacksmiths, who employed the time when regular work was dull in making axes to sell customers. A good tool was required to stand in hard and frosted timber, and not every blacksmith was able to do the work. Those who possessed the most skill, found the demand for their axes increasing, and so it came about that the miscellaneous work of the shop was abandoned by an occasional wielder of the hammer, who devoted his time largely to the production of his specialty. He soon found that the mountain streamlet hard by the old shop could be harnessed by means of an "overshot" wheel, to drive a trip hammer to lessen his outlay of physical force, and to increase his out-put, and thus by degrees the modern shop was elaborated.

Until the power hammer came into use, the axe was formed either by punching a small hole through a bar of iron, and then gradually enlarged to form the eye of the axe; or the bar of iron was hammered thin in two places, after which it was folded together, so as to bring these cavities opposite each other to form the eye. In either case, as soon as the eye was formed, the cast steel was welded on to form the bit or cutting part of the axe, and the blades and head were given their respective shapes, to conform to the customer's design, according to the workman's ability.

It being difficult to punch a hole straight through a thin, wide bar of iron, that method of forming the eye was not greatly used, and was altogether abandoned as power hammers came into use and all axes were "plated" under the hammer. A few small shops still continue to make axes after this manner, but all manufacturers of importance now form the eye, either by the use of rolls or by means of punches. The punch seems to be growing in favor among manufacturers, but each method has its warm supporters.

In early times no attention was paid to finish. The one great aim was to produce an axe which would neither break nor bend when thin enough to chop easily. Clearly then, as now, the best maker of axes was the one who could bring about this result; but strife among manufacturers to secure trade, and the desire of buyers to get nicely finished goods, has gradually led to the production of tools which are beautiful and sometimes good. It is not to be implied that beauty of finish necessarily implies inferiority of quality. On the contrary, some makers study to combine in a high degree both quality and finish; but the decided tendency of the trade has been of late to please the eye, and at the same time produce something so cheaply that, if dealers could be deceived, would enable the deceiver to book large orders.

So marked has been the decline in prices at which axes have sold during the past decade, that the cause must be sought, in part, outside of the fact that materials are cheaper and that labor-saving machinery lessens cost of production. Often cheaper and unsuitable materials are used, and machine methods of manufacture are adopted, which are not warranted, some even going so far as to make axes entirely of soft steel, give them a nice finish and sell them to those who *will* have axes very cheap.

The time is at hand when this mad strife for cheapness and show will again give place to studied worth. We may never return to the plainness of the blacksmith's production, but necessarily the time is near when quality will be sought after as it has not been during the few past years, and when the merchant will look with more favor on those who seek to maintain quality, even at the risk of being undersold.

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CONGRATULATION: ENDORSEMENT: GOODWILL.

There is nothing in the history of HARDWARE more gratifying to those having its interests in charge than the cordial good-will and friendship that find such generous, such unstinted, such emphatic expression in the words of commendation and congratulation found below. Letters like these contain more than formal words—they are the honest, outspoken words of business men who are guarded in their expressions; who mean just what they say, and have learned to say just what they mean.

When the announcement was made that the Fifth Anniversary of HARDWARE had been reached and that the occasion was to be celebrated by an edition a little out of the routine, these testimonials and congratulations poured in from all sides. An endeavor had been made to furnish a trade journal that should commend itself to the great Hardware trade represented; but no one connected with HARDWARE had had the temerity to dream that such generous views concerning it were harbored by the great houses and companies who speak their good will below. Nothing need be added here, except to tender to all the heartfelt thanks of HARDWARE, and to record the pledge that in the future an endeavor will be made to deserve, far better than in the past, these high encomiums of our friends.

TOWER & LYON.

HARDWARE: Accept our most hearty congratulations on the fifth birthday of your lusty boy HARDWARE. We have watched the child from its earliest infancy, and such has been our confidence in the creditable development of the boy, that it has been a pleasure to us to give him something to remember us by, on each appearance. You may be sure that if he does us as much credit in the future as he has in the five years of his infancy, we shall have no disposition to go back on him.

We congratulate you and your associates on your well-deserved success in producing a paper which has come to be so much of a necessity to the Hardware trade.

Very truly yours, TOWER & LYON.

New York, March 20, 1895.

THE UNION METALLIC CARTRIDGE CO.

EDITOR HARDWARE: We congratulate you on the phenomenal success of HARDWARE. It has done good and conscientious work for its patrons, and ranks among the leading trade journals. We have been with you as advertisers from the beginning, and expect to continue.

Yours truly,

THE UNION METALLIC CARTRIDGE CO.,
Wm. J. Bruff, Vice-President.

New York City, March 22, 1895.

HARTLEY & GRAHAM.

EDITOR HARDWARE: We desire to add a word to those that will be said by your many friends in your "birthday issue." HARDWARE fills a prominent place as an instructive journal and authority on all subjects pertaining to the trade you represent. May your second five years be even more prosperous than the first. Yours very truly,

New York, March 22, 1895. HARTLEY & GRAHAM.

SUPPLEE HARDWARE CO.

EDITOR HARDWARE: We notice that HARDWARE will have completed its fifth year of publication with this month. How quickly time passes, when we realize that April 10th, 1895, will be the fifth anniversary of your "wide awake" journal HARDWARE.

This paper has steadily grown in favor each year since the first number was issued, and we sincerely hope that as each year rolls around, you will not only add to your list of subscribers, and thus the value of your paper become more widely known, but at the same time add financial results to your exchequer as it deserves, as it increases its usefulness through the medium of additional subscribers.

We think the trade, each year, are beginning to appreciate more fully the advantages of keeping in touch with the various markets of the country as well as depending on a paper like yours, as well as similar journals, for information of new goods, which the energetic American manufacturers are constantly placing upon the market.

The ordinary merchant, it he does not desire to be a back number, must keep up with the progress of the times, and add to his assorted stock and perhaps discard old-time articles that have outlived their usefulness. Times change and the trade changes, and we think it best to keep the trade informed of the many changes that make your paper with other similar papers valuable.

Wishing you a prosperous continuation for the many years we trust you will be in existence, we are,

Yours truly,

Philadelphia, March 28, 1895. SUPPLEE HARDWARE CO.

THE ENTERPRISE MFG. CO. OF PA.

HARDWARE: It is a pleasure for us to be able to testify to the value of HARDWARE as an advertising medium. We have spent a large amount of money to advertise our goods in the past twenty-nine years, and we firmly believe that for the amount of money we have paid you, we have been amply repaid. We congratulate you that you have been so successful. You have every reason to be proud of your journal, and we trust you will have many happy returns of your anniversary. Yours truly,

THE ENTERPRISE MFG. CO. OF PA.

Philadelphia, March 23, 1895. T. Henry Asbury, President.

DANGLER STOVE & MFG. CO.

EDITOR HARDWARE: Anniversaries are always occasions of interest, in the lives of individuals as well as enterprises, and it is with special pleasure that we desire to congratulate you upon your phenomenal success.

We remember well the advent of the first issue of HARDWARE, and while we predicted success, we confess we were not prepared to see the unparalleled growth it has reached in so short a period, and as patrons of HARDWARE, we have been well repaid for any money we have expended in advertising. THE DANGLER STOVE & MFG. CO.,

Cleveland, Ohio, March 20, 1895. D. A. Dangler, President.

PECK, STOW & WILCOX CO.

HARDWARE: We have watched the progress of HARDWARE from its very inception. To say that its success is deserved, is to repeat an universal verdict. Hence we extend to you our hearty congratulations on the Fifth Anniversary of its establishment. Your paper has filled a place not hitherto occupied by Trade Journals. Its statements have been reliable, and the whole make-up of the sheet has been highly creditable in every department. The editorial work has been performed with a conscience, and you are in touch with living issues. The trade has needed and will sustain such a publication. Your circulation and influence will continue to increase, and may you long remain on the high road to prosperity.

THE PECK, STOW & WILCOX CO.,

New York, March 29, 1895. W. R. Walkley.

SAMUEL WINSLOW SKATE MFG. CO.

HARDWARE: We notice that April 10th you are to celebrate your fifth anniversary of HARDWARE, a paper which we believe is doing much good to the Hardware trade. We congratulate you on your great success and wish you many

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prosperous birthdays. Thanking you for the good we think you have done us, we remain Very respectfully,

The Samuel Winslow Skate Mfg. Co.,
Worcester, Mass., March 20, 1895. Otis W. Everett.

NEW JERSEY CAR SPRING & RUBBER CO.

Editor Hardware: This company was one of the first to enter your list of advertisers, and we expect to be among the last to retire. We feel that it is one of the publications we can't afford to stay out of. With the best line of goods, we naturally want the best medium for reaching the trade.

Yours truly,
John J. Voorhees, Treasurer.
Jersey City, N. J., March 21, 1895.

ALFRED FIELD & CO.

Editor Hardware: These are progressive days, when it takes only five short years for a Trade Journal to become full-fledged and strong. Such a condition, however, must mean something more than ordinary thrift and intelligence. It must mean that somewhere, modestly hidden from popular view, there is a mighty power at work, grinding up the various metallic substances, and moulding them into pellets that are so attractive, irresistible and beneficial, that people stumble over each other after them, and cry for more, *and more will have to come.*

It will not be long before the pressure will be so great that instead of fortnightly issues, weekly issues of Hardware will be a positive necessity to the trade.

We desire to say, Friend Hardware, that we have always found you entertaining, instructive, and reliable. The beaming countenance of your president shines on every page; the grave and sturdy thoughtfulness of your chief editor marks every line; and the conscientious work of your reporters make their statements most reliable. Being the only Journal whose love is not divided, you cannot be otherwise than successful in winning the entire Hardware heart. We can say, in all sincerity, that we have found you very useful to us, and we can most cheerfully recommend you to our friends in the trade.

We most cordially say in this—your Birthday number—that we wish you long life, and very great success and prosperity. Very truly yours,

New York, March 29, 1895. Alfred Field & Co.

COLDWELL LAWN MOWER CO.

Editor Hardware: You asked me the other day if we liked Hardware as an advertising medium. Why, of course we do, or we would not spend our shekels advertising in it. But I am too busy now to say more than that we think Hardware is enterprising, pushing, up-to-date, so to speak, and has a certain amount of get-up-and-get spirit about it, combined with a certain flavor of, "I give you your money's worth when you advertise with us," that we like it—not for fun or sentiment, but for real business, and so long as you continue thusly you can count our continuance.

Yours truly,
The Coldwell Lawn Mower Co.,
Newburgh, N. Y., March 25, 1895. Thos. Coldwell, President.

CAPEWELL HORSE NAIL CO.

Hardware; We have been liberal advertisers in your journal for years, and the results are so satisfactory that we expect to be much more liberal for many years to come.

Wishing you increased prosperity, we are,
Very truly yours,
The Capewell Horse Nail Co.
Hartford, Conn., March 23, 1895.

THE NATIONAL SAW CO.

Editor Hardware: It affords us great pleasure to speak for your paper, Hardware, the fact that we feel it is steadily increasing as to its merits as one of the leading Hardware periodicals. Since we have been with you, we certainly have had many inquiries derived through your advertisement, and know that increase of trade has resulted therefrom. We wish you all success in the futnre, and trust that your paper, Hardware, will steadily advance in its useful career. We remain,

Yours very truly,
The National Saw Co.,
Newark, N. J., March 21, 1895. F. B. Earle, Secretary.

THE YALE & TOWNE MFG. CO.

Editor Hardware: We congratulate you upon the attainment by Hardware of its fifth birthday. We believe it is rendering good service to the trade.

Wishing you continuous success, I am,
Yours very truly,
Wm. F. Donovan,
Vice-President and General Manager.
New York, March 23, 1895.

NORTH BROTHERS MFG. CO.

Gentlemen: Accept our heartiest congratulations on your Fifth Anniversary with our best wishes for many more.

The fact that we have used Hardware in advertising our lines of goods all these years is perhaps the best tribute we can pay to its value and usefulness.

Trusting that in the coming years Hardware may continue to grow in influence and strength as rapidly as in the past, we are, Yours truly,

Philadelphia, March 22, 1895. North Bros. Mfg. Co.

McKINNEY MANUFACTURING CO.

Editor Hardware: We have been apprised of the Fifth Anniversary Number of Hardware, to be issued on April 10th. We must congratulate you upon the growth, both in circulation and usefulness, of your paper in this short time.

We highly appreciate Hardware and look forward with much pleasure to its receipt every second week. We wish you well, but doubt if we could wish you anything better than that your success in the future may be as great as in the past. Very truly yours,

Allegheny, Pa., March 23, 1895. McKinney Mfg. Co.

BRIDGEPORT GUN IMPLEMENT CO.

The Hardware Publishing Co.: It gives us much pleasure to testify to our appreciation of the high standing of Hardware. We look forward to the receipt of your publication, and its articles in regard to trade are of much service to us.

Wishing you our congratulations upon your anniversary, we are, Yours truly,

The B. G. I. Co.,
New York, March 25, 1895. Per H. B. Cannon.

FOREHAND ARMS CO.

Hardware Publishing Co.: Since the issue of your publication we have been, with a brief exception, an advertiser in it, and we have found it one of the best mediums in placing our goods before the notice of the public. In the numerous inquiries we receive daily, reference is made to Hardware as often as to any other publication, which shows that Hardware is read by the dealers as much as any other publication. We regard it a very valuable medium for advertising. Yours truly,

Worcester, Mass., March 25, 1895. Forehand Arms Co.

WATERBURY FARREL FOUNDRY & MACHINE CO.

Hardware: By their fruits ye shall know them. I know you appear to have yielded fruit abundantly, and I congratulate you on your remarkable success as a five-year old. You have my best wishes.

Respectfully,
Waterbury, Conn., March 20, 1895. Wm. E. Fulton, Treas.

W. W. LAWRENCE & CO.

The Hardware Publishing Co.: We congratulate Hardware on arriving at its Fifth Anniversary; we also congrat-

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ulate its editor on his success in making it such an interesting and valuable paper, and we particularly congratulate its president on the fact that, although he is *now a very old gentleman*, he still retains his youthful vigor in his competition with others for business and manages to more than hold his own. Yours truly,

Pittsburgh, Pa., March 21, 1895. W. W. LAWRENCE & CO.

PARTRICK & CARTER CO.

HARDWARE PUBLISHING CO.: We note with pleasure that HARDWARE'S fifth anniversary is near at hand.

We congratulate you on having attained so great success and believe that subscribers and advertisers appreciate HARDWARE'S value as a means of bringing the dealer and manufacturer in closer communication.

Our experience as advertisers with you has been of the most satisfactory character, and we can only say that we hope the next five years will see as great an improvement and progress as the past five. Yours very truly,

Philadelphia, March 25, 1895. PARTRICK & CARTER CO.

CHAS. WEILAND.

EDITOR HARDWARE: Regarding the usefulness and mission of HARDWARE I do not know what I can say to express my opinion to the trade more forcibly than the fact that I am and have been a constant advertiser in every issue of your paper since the incipiency.

In conclusion will say that the results derived through the advertisements in the columns of your paper have been very satisfactory. Wishing you every success, I am,

Very truly yours,

New York, March 21, 1895. CHAS. WEILAND.

C. T. WILLIAMSON WIRE NOVELTY CO.

HARDWARE: We offer our congratulations on your Fifth Anniversary. HARDWARE has had a remarkable success, by giving all the latest news in spicy, short items; and to present new goods to the trade we consider HARDWARE one of the best mediums known.

Trusting your future growth will far excel the past, we remain, Very truly yours,

Newark, N. J., March 21, 1895. C. T. WILLIAMSON W. N. CO.

STANDARD TOOL CO.

HARDWARE: We take pleasure in stating that during the four years we have had an advertisement in HARDWARE we have each year received better results. With the present policy that HARDWARE pursues we believe that we will still each year receive better results.

Yours very truly,

THE STANDARD TOOL CO.

Cleveland, Ohio, March 21, 1895. E. C. Palmer, Gen'l. Mgr.

L. S. STARRETT CO.

EDITOR HARDWARE: It gives us great pleasure to write that the fact of our continuing our advertisement in HARDWARE would prove that we consider your publication a good medium. Wishing you the best of success, we remain, Very truly yours,

THE L. S. STARRETT CO.

Athol, Mass., U. S. A., March 21, 1895. I. H. Page.

COBURN TROLLEY TRACK MFG. CO.

HARDWARE: We think well of HARDWARE. We have carried an advertisement in it the past year, which we believe has been of material benefit to us. Wishing you every success in the coming year, we are,

Yours truly,

THE COBURN TROLLEY TRACK MFG. CO.

Holyoke, Mass., March 19, 1895. Azro H. Coburn, Treas.

COLBY WRINGER COMPANY.

EDITOR HARDWARE: Will HARDWARE please accept our congratulations upon its Fifth Anniversary and best wishes for "many happy returns?" We find it not only reliable but interesting, and its very low price should make subscribers of each Hardware dealer in the country. The continuance of our patronage from year to year is probably the best evidence of our faith in its advertising pages. Wishing you all possible success, we are,

Very truly yours,

Montpelier, Vt., March 26, 1895. COLBY WRINGER CO.

THE PLUME & ATWOOD MFG. CO.

EDITOR HARDWARE: We take pleasure in the opportunity to congratulate you upon the approaching Fifth Anniversary of the existence of your very valuable paper. We think that you have reason to be proud of your very vigorous "child" of five years, and your success should be very gratifying indeed when you realize that it has been achieved by giving the public honest service and good value for their money. Yours truly,

THE PLUME & ATWOOD MFG. CO.

New York, March 26, 1895. R. H. Swayze, Secretary.

THE MONARCH CYCLE CO.

HARDWARE: We consider it a great pleasure to be permitted to add our little leaf to the volume of testimony which no doubt the rest of your friends will send you in commemoration of your forthcoming birthday. We have watched your growing career, from the bantling which started five years ago, to deserve the good wishes of the Hardware trade, and whose mission in the community was foreshadowed by the adoption of its suggestive name; and no trade paper has since been so welcome, so readable and gossipy within our recollection of a quarter of a century. May you long continue to flourish in this world of good things, which is a fitting reward for the diligent worker who knows his proper field of action and stays there as faithfully as HARDWARE has done during the five fruitful years which it now seeks to make famous by glorifying the birthday of its existence. Very truly yours,

New York, March 26, 1895. C. F. GUYON CO., Limited.

THE HOLMES & EDWARDS SILVER CO.

HARDWARE: We extend our congratulations to HARDWARE on its fifth birthday. We recognize in HARDWARE a magazine progressive and enterprising, and shall be glad to note as much advance in its character in the next five years as has been noted in the first five years of its history.

Very respectfully,

THE HOLMES & EDWARDS SILVER CO.

Bridgeport, Conn., March 26, 1895.

SAM'L C. TATUM CO.

EDITOR HARDWARE: We are much pleased to congratulate you on the progress made by your journal. We find it a representative paper and can always turn to its pages with interest. Truly yours,

THE SAM'L C. TATUM CO.

Cincinnati, O., March 25, 1895. By S. E. Hilles, Pres.

MILLER LOCK COMPANY.

HARDWARE PUBLISHING CO: Wishing you another era of prosperity even greater than you now celebrate, we are,

Yours truly,

MILLER LOCK COMPANY.

Philadelphia, March 26, 1895. Milton Jackson.

CHARLES MORRILL.

HARDWARE: Permit me to congratulate you on the Fifth Anniversary of the birth of HARDWARE, and to express my sincere appreciation of the many substantial merits of your publication and of the frequent evidences it has given during its somewhat brief lifetime that, before it has attained its majority, it will rank among the foremost of its class.

I can, without reservation, assert that the editorial work in its columns has been in no respect an indication of "infant industry." On the contrary its style, tone and character prove that the influences controlling it have been intelligent, vigorous and manly. I cordially hope that your

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paper may live to a useful and robust old age and become, as it already promises to be, the leading journal in its particular sphere of usefulness.

In submitting this expression of my views and hopes, which I believe are entitled to some consideration, I do so under the promptings of a business experience of more than fifty years in the Hardware trade, in my specialty of dressing saws for all kinds of work. My experiences, like myself, are well known; and they are equally well known as an improvement over the old method of doing the work for which they were designed, just as your paper is an improvement over so many others of the same kind that have preceded it. And as my Saw Sets so greatly exceed the old hammer and hammer sets, or the punch and steel block, in perfecting an instrument of utility, so do your bright, powerful and clinching editorials excel the old humdrum literature of other days and other periodicals.

The comparison may be far-fetched, but it is not inappropriate I think when made from my view-point.

With renewed congratulations and repeated assurances of my esteem and good wishes, I am,

Respectfully,

New York, March 28, 1895. Chas. Morrill.

W. C. HELLER & CO.

Hardware Publishing Co: We have been advertising with you for some time and take pleasure in advising you that we esteem Hardware as one of the greatest mediums for the trade in which it is interested.

Our advertisements in your columns have given results that assure us that they are closely watched by the trade.

We tender you our congratulations on your Fifth Anniversary and wish you the success which a continuance of your present efforts will so richly deserve. We are,

With regards,

Montclair, N. J., March 29, 1895. W. C. Heller & Co.

THE SMITH & EGGE MFG. CO.

Hardware Publishing Co.: We congratulate you on having the good fortune of celebrating your fifth birthday and finding yourself in good health and still growing. We have been with you in a modest way ever since your start, and it gives us pleasure to say that we have found your paper pleasant and agreeable reading, and very useful as an advertising medium.

Trusting your good fortune in the past may continue with you in the future, we are, Yours truly,

The Smith & Egge Mfg. Co.

Bridgeport, Conn., March 27, 1895.

PREMIER CYCLE MFG. COMPANY.

Editor: Our advertisements in Hardware have been the means of bringing us more business from the Hardware trade than all other mediums combined.

Wishing you a prosperous birthday, and many happy returns thereof, we remain, Yours truly,

Premier Cycle Mfg. Company.

New York, March 28, 1895. H. Johnson, President.

THE CHARLES PARKER CO.

Hardware Publishing Co: We have with pleasure noted the growth and improvement of your publication, and have confidence that it is very beneficial both to the manufacturer and dealers. We assure you that you have our best wishes for your continued prosperity.

Yours truly,

The Chas. Parker Co.

Meriden, Conn., March 28, 1895. W. H. Lyon, Secretary.

SICKELS, SWEET & LYON.

Editor Hardware: Allow us to heartily congratulate you upon the close of five active years of successful trade journalism. We believe Hardware has been of great service to the trade, and we are pleased to know that the publishers have met with a very considerable degree of pecuniary success, as well as having gained for themselves the pleasant assurance of having established, in a comparatively short time, a fixed place for their publication, and the recognition of their journal as an authority in trade affairs. Wishing for you continued and increased success, we are,

Sincerely yours,

New York, March 27, 1895. Sickels, Sweet & Lyon.

BOSTON BELTING COMPANY.

Hardware Publishing Co: Our relations with Hardware have always been very pleasant and satisfactory, and we consider it one of the most wide-awake and up-to-date trade journals that come under our observation.

Wishing you continued success, we remain

Yours respectfully,

Boston Belting Co.

Boston, Mass., March 27, 1895. George H. Forsyth.

JOHN CHATILLON & SONS.

Editor Hardware: We are pleased to congratulate you on this, your fifth anniversary, upon the success you have achieved, and we hope you may continue to prosper. With your best wishes, we remain,

Yours very truly,

John Chatillon & Sons,

New York, March 28, 1895. Louis A. Tranberg, Secretary.

VAN WAGONER & WILLIAMS HARDWARE CO.

Editor Hardware: We beg to offer our congratulations on the occasion of the fifth anniversary of the establishment of your paper. We have watched the growth of Hardware with no little interest, and it gives us pleasure to assure you that, having been represented in your columns almost from your first issue, we have a feeling of pride and of satisfaction in your achievements.

You not only occupy a most useful and important field, but you occupy it in a manner most creditable to all concerned in the development of your enterprise. We are glad to be counted among the many friends you have won in Hardware circles, and we wish for you a continued career of prosperity. With cordial esteem, we remain,

Yours very truly,

Van Wagoner & Williams Hardware Co.,

Per Wm. H. Williams, Vice-President.

New York, March 27, 1895.

W. JESSOP & SONS, LIMITED.

Editor Hardware: The welfare of Hardware is assured so long as our friend Mitchell is connected with it. We see his name is still at its head. More than this, it is unnecessary to say. Another five years as proportionately successful as its last, will place it almost beyond the criticism of friends or competitors.

Yours truly,

Wm. Jessop & Sons, Ltd.,

New York, March 27, 1895. Per W. F. Wagner.

SAMSON CORDAGE WORKS.

Editor of Hardware: We note the birthday of the precocious five-year-old, and can only add that his appearance would indicate a more mature age. We have had our advertisement with you nearly from the beginning, and see no reason why we should not continue.

Wishing you many happy returns, we remain,

Yours very truly,

Boston, Mass., March 27, 1895. Samson Cordage Works.

ENERGY MANUFACTURING CO.

Dear Hardware: When we see a sturdy youngster who, by ability and *energy* has pushed himself to the front, we feel disposed to pat him on the back, and congratulate him on his success, and especially so when we have shared in the benefits of his exertion. You helped us wonderfully when we were introducing the Philadelphia Dumbwaiter,

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and we daily feel the benefit of our card in your columns. We have been with you from the beginning, and would kindly ask you to consider we have a permanent lease on our space in your paper. Yours very truly,

Philadelphia, Pa., March 27, 1895. ENERGY MFG. CO.

LUTHER BOARDMAN & SON.

EDITOR HARDWARE: We take great pleasure in congratulating HARDWARE upon its fifth anniversary, and we trust it will advance as much in the coming five years as it has in the past. We consider it a bright, useful and up-to-date trade magazine and well worthy the support which has been given it. With best wishes for its future, we remain, Very truly yours,

East Haddam, Conn., March 27, 1895. L. BOARDMAN & SON.

JOSEPH H. SEED.

EDITOR HARDWARE: I must congratulate HARDWARE on its good looks and strong five-year-old healthy appearance, and hope it will increase in influence and usefulness as years roll by.

I have been one of HARDWARE'S patrons almost from the start, and have derived both pleasure and business from the connection, and intend to continue. Wishing you a very prosperous career, I remain, Your very truly,

JOS. H. SEED,
Water Filter Mfr., 21 & 23 Centre St.,
New York.

New York, March 28, 1895.

AMERICAN SCREW CO.

EDITOR HARDWARE: It gives us much pleasure to congratulate you upon the coming fifth anniversary of HARDWARE, and to remark apropos of its success that one of its numerous missions in its chosen field seems to have been to extract (for the Hardware Publishing Co.) gold from Hardware; and as this is almost the only similar recent achievement in that trade within quite a period, it would seem worthy of note.

We take it that there can be no better proof of the value of your journal to the general Hardware trade than the fact that you have such a high grade of advertisers, and, we understand, an equally satisfactory list of subscribers. Certainly your consistent regard for the interests of producers, as well as buyers, has proven to have been appreciated by both, and wishing you all success for the future, we are,

Yours truly,

AMERICAN SCREW CO.

Providence, R. I., March 30, 1895 Olney Arnold II., Secretary.

THE AMERICAN AXE & TOOL CO.

HARDWARE PUBLISHING CO.: We have been a subscriber to HARDWARE for a long time, and read each number with interest and satisfaction. It is not only ably edited, but its columns contain in every issue articles, information and statistics invaluable to the trade. We appreciate the fact that your efforts to establish a first-class periodical devoted to our interests have been crowned with abundant success, and we trust no obstacles will intervene in the future to prevent you from realizing to the fullest extent that success you so richly deserve. We congratulate you most heartily on your fifth anniversary, and we sincerely trust that long after all now engaged in the business to which your periodical is devoted shall have retired from the active pursuits of life, that HARDWARE will be found to be indispensably necessary to those who come after us.

Very truly yours,

THE AMERICAN AXE & TOOL CO.

New York, March 30, 1895 By Chas. W. Mackey, President.

JOSEPH DIXON CRUCIBLE CO.

PUBLISHERS HARDWARE: We understand that a special number of HARDWARE will be issued on April 10th in celebration of its fifth birthday. Congratulations are therefore in order, and we congratulate you most heartily. HARDWARE is one of the few trade papers that always receive a careful perusal at our hands. It is not only a review of general trade matters, but is an interesting catalogue of all that is new and of interest to the Hardware trade. An up-to-date Hardware dealer cannot, in our estimation, make a better investment than to send you a five-years' subscription while he can get it at the dollar price.

Yours respectfully,

JOSEPH DIXON CRUCIBLE CO.

Jersey City, N. J., March 30, 1895.

AMERICAN WHIP CO.

EDITOR HARDWARE: We find great pleasure in taking this opportunity of extending our congratulations upon your fifth anniversary, and can say that we have appreciated your paper very much indeed, and it is regarded as one of the standards in our office.

Quite frequently we are called upon by the dealers in our town to look over its pages, when they are wanting for something they don't happen to be able to find elsewhere.

We trust that the past prosperity of your valuable paper is only an indicator of its future greatness. With best wishes for its success, we are,

Yours very truly,

AMERICAN WHIP CO. Branch.

Westfield, Mass., March 30, 1895. Ira Miller, President.

TROY NICKEL WORKS.

HARDWARE: It is with pleasure that we indorse your publication. You are on our advertising list as one of the best. We will be glad to keep you in this position so long as you keep up the standard which you now occupy as an advertising medium. Yours truly,

Troy, N. Y., March 29, 1895. TROY NICKEL WORKS.

PIKE MFG. CO.

EDITOR HARDWARE: It gives us pleasure to offer our congratulations on the advent of HARDWARE'S fifth anniversary, and to wish its publishers many happy and prosperous "returns of the day." We are not large advertisers, yet we like to keep our name and our wares before the public, *in a modest way*, and have found HARDWARE a most efficient aid toward accomplishing that purpose. We believe the first number that came to our notice was received something over four years ago, and since that time we have laid each one aside until we could find time to look it carefully through, as we always discover much that is useful and interesting in its columns. Hoping that the next five years may bring you continued success, we are,

Yours truly,

THE PIKE MFG. CO.

Pike Station, N. H., April 1, 1895. E. BERTRAM PIKE, Treas.

PHILADELPHIA LAWN MOWER CO.

HARDWARE PUB. CO: We take pleasure in stating that we consider HARDWARE a thoroughly first-class, reliable trade journal, and heartily recommend it to all large jobbing houses and manufacturers of Hardware specialties. We have been with your paper for some years, and can trace many sales to its influence.

Respectfully yours,

THE PHILA. LAWN MOWER CO.

Philadelphia, March 29, 1895. W. E. Graham, President.

S. L. ALLEN & CO.

EDITOR HARDWARE: We have watched with interest the growth of your paper, and we have found the results of our advertising with you better than in any other trade paper. It seems to us that you are on the right track.

Yours very truly,

Philadelphia, March 29, 1895. S. L. ALLEN & CO.

POPE MANUFACTURING COMPANY.

HARDWARE: We are glad to note the progress and growth in popularity of your valuable journal, and we are sure the

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many interesting features you introduce must be appreciated by your readers.

While little advertising seems to be needed this year to sell Columbia bicycles, we still feel that our advertising with you is productive of results.

With kind regards and best wishes, we are,

Yours truly,

Pope Manufacturing Company.

Wm. Bancroft, Adv. Manager.

Hartford, Conn., March 29, 1895.

ATLAS TACK CORPORATION.

Editor Hardware: We take pleasure in saying that, speaking as subscribers to, and advertisers in, Hardware, we consider it one of the most interesting and useful of the trade journals of which we are aware; and it has our most cordial good wishes for a long and prosperous career.

Yours truly,

Atlas Tack Corporation.

Boston, March 29, 1895. John H. Parks, Treasurer.

THE W. BINGHAM CO.

Editor Hardware: We consider Hardware one of the best trade journals published, and one which should be in the hands of every Hardware merchant in the country. Its columns are bright and newsy, and contain many ideas which can be used to profit by the man desirous of being up with the times. So far as we can judge, each of the Hardware journals occupies its own particular field and supplies a want which the others do not, and we think that Hardware has reason to be proud of the place it has made for itself in trade economy. Yours truly,

The W. Bingham Co.

Cleveland, O., March 30, 1895. J. B. Comstock.

EDWARD DARBY & SONS.

Hardware: We note your announcement that on the 10th day of April, 1895, you will issue a birthday number in honor of Hardware's fifth anniversary, and we take pleasurable pride in stating that for the past few years we have been a subscriber to Hardware, and we beg to remind you that it has our esteemed favor, and would recommend the same to any one desirous of a good, useful and commonsense trade journal, such as Hardware is, which is assured by the successful career which it has enjoyed for the past five years. Yours truly,

Edward Darby & Sons.

Philadelphia, March 29, 1895.

KEARNEY & FOOT CO.

Editor Hardware: In the fifth anniversary of your publication we certainly feel that you are to be congratulated, not only on the progress made, but also on the wise and pleasant reading which this publication affords. You ask us if we think Hardware a success. A glance at its many pages of advertising matter makes it unnecessary for us to answer this question.

Wishing you continued success, we remain,

Yours very truly,

Kearney & Foot Co.

New York, March 30, 1895. J. D. Foot, President.

THE STANLEY WORKS.

Editor Hardware: We are pleased to say that we think you are putting out a bright and readable paper, and we believe your success is well deserved. We congratulate you, and hope that when you are ten years old, you will have as much reason for receiving congratulations as you have on April 10, '95. Yours truly,

The Stanley Works.

New Britain, Conn., March 30, 1895. Geo. P. Hart.

E. BISSELL, SON & CO.

Editor Hardware: As one of your first patrons, we desire to congratulate you upon this fifth anniversary of the issue of your paper, which is now recognized as a valuable "adjunct" to the trade. Under its present able management it has been progressive and taken a high rank among the publications of the metropolis, a position it has won on merit only, which justly entitles you to feel proud of the great success it has achieved. With the best wishes for the future prosperity of Hardware, we remain,

Respectfully yours,

E. Bissell, Son & Co.

New York, April 2, 1895.

THE F. & N. MFG. CO.

Editor Hardware: Please accept our congratulations on the arrival of Hardware's fifth natal anniversary, with our hearty wishes for "many happy returns of the day."

As constant readers of and advertisers in that most excellent journal, we appreciate fully its value, both as a news gatherer and an eminently satisfactory advertising medium.

Long may Hardware flourish, and continue in the future, as it has done in the past, to maintain its position in the vanguard of Progress and Hustle.

"*Palmam ferat qui se meruit.*"

Yours sincerely,

The F. & N. Mfg. Co.

Richmond, Ind., March 30, 1895.

GIBBS MFG. CO.

Hardware: We extend congratulations upon your fifth birthday, and can assure you we have been well taken care of at your hands.

We liked Hardware from the start, and have no reason to think otherwise now. Very truly,

Gibbs Mfg. Co.

Canton, O., March 29, 1895.

THE NEW JERSEY WIRE CLOTH CO.

Editor Hardware: We congratulate you on the termination of the fifth year of your publication. It is one which we read with great interest, and which seems to us to increase in value with each issue. Yours truly,

The New Jersey Wire Cloth Co.

Trenton, N. J., March 29, 1895.

ATLAS MANUFACTURING CO.

Editor Hardware: It has been a source of great pleasure to us to notice the steady growth of Hardware. The paper is always a welcome visitor at our office, and we should hardly know how to get along without it.

Yours truly,

Atlas Mf'g Co.

New Haven, Conn., March 29, 1895. H. L. Bradley, Secretary.

EDWARD SMITH & CO.

Editor Hardware: We beg to extend to you our hearty congratulations upon the birthday anniversary you are so soon to celebrate.

We wish you nothing better, than that you continue in the good work you have already begun, and feel confident that you have still before you a most prosperous and honorable future. We have been much interested in your publication, and feel that there is nothing better in existence in your line. May we again extend to you our heartiest good wishes. Yours truly,

Edward Smith & Co.

New York, March 29, 1895. By S. V. V. Huntington, Mgr.

BUTTERFIELD & CO.

Hardware: In renewing our advertisement in Hardware, allow us to congratulate you on your success in securing the confidence of the business interests of this country in so marked a degree, in the short time of the existence of Hardware. Respectfully yours,

Derby Line, Vt., March 1, 1895. Butterfield & Co.

[*Other letters will be found upon a later page.*]

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"IN THE GOOD OLD DAYS."

Sitting to-night enjoying the mellow warmth of a genial grate fire while the howling storm is beating against my windows, how it sends one's memory down the cobwebbed aisles of old Time's decaying mansion, finding in each one of its hidden recesses some one of the faces of those who twenty-five to thirty years ago made life attractive to the struggling merchant.

Those were the days when, like ancient Pistol, I felt as though I could safely say:

"Why then the world's mine oyster
Which I with sword will open."

How the lineaments of those who "linger lovingly in the sunny realms of memory" pass before me—those who assisted me in rolling up the prosperous days of my early "bosshood," when it were possible to figure up on each succeeding stock-taking the essential sum of money making which exhaled the aroma of an annual surplus, a balance on the right side of the proverbial ledger, which just now is more apt to be sporadic than prevalent.

One of the most welcome of the many friends among the manufacturers was that fine-looking specimen of robust manhood, George T. Lane, then of Lane, Gale & Co., Troy. No more congenial or practically unselfish gentleman ever graced the easy chair beside my desk with his genial presence. He was a perfect diplomat of a salesman, thoroughly conversant with all the details of his extensive business and full of resources against captious criticism; and very pleasant withal were the *tete a tete* dinners at "the Gilsey," which occasionally aided him to "blow in" the "2½ per cent. extra discount" which was frequently demanded but seldom conceded.

May life always show her sunny side to George T. Lane!

The elder Mr. Stephens, who at that time did most of the traveling for Stephens & Co., the rule manufacturers, was a quaint, good natured old soul, who rarely missed getting an order for three or four hundred dozens of rules, which was considered a very fair order to take when the discount was about "forty and ten" instead of the "eighty" and several tens which is the temptation to buy to-day. The old gentleman was quite an amateur phrenologist aud when we wanted to get a drive on any of the boys we would get "Pop Stephens" to examine his cranium, giving him a solid wink from the other eye as a starter, and he would make the victim's characteristics so interesting he never forgot them.

Another welcome face and thorough good salesman was R. A. Neal, of Peck, Stow & Co. (or was it Peck, Smith Mfg. Co. at that time, say 1865 to 1870?). He was a good, smooth, persuasive talker, an excellent judge of human nature and a man who made a study very quietly of the idiosyncrasies of others. He would go all over the house, upstairs and down, looking after his own stock, making notes of the stock of wrenches, steel traps, barrel bolts, coffee mills, spoons and steelyards which we had on hand and jotting down in his book an order in embryo, which later he would say, "You might as well have these sent down after the 1st, as you are so nearly out," and adding "bye the bye, they want a few files down to the factory. Suppose you enter up this order and send by boat," and he would read off an order for fifty or sixty dozen files for factory use, together with a gross of counter brushes No. 4 needed in the foundry. This reciprocal method of taking an order was always acceptable, and everything of that kind "goes." Then "settlements" were accommodating as well in those old days, "semi annual" to say the least. We always made a fair jobbing profit on all of "Peck, Stow's" goods.

Tom Gaynor was another one with whom I used to like to have dealings. At the time I am trying to recall he was agent for "The Stanley Rule & Level Co.," "Ten Eyck Axe Mfg. Co." and a number of other concerns. He was a graduate from Ellis Brothers, an old time jobbing house in the "fifties," and although originally "Tom" was rather a "rough diamond," he built up a very large and lucrative business for his respective agencies, for he was a rattling good salesman and was not troubled with too much conscientiousness about his competitors.

My old friend, Joe Van Cleft (of Newburgh), was also a graduate from Ellis Brothers, and Joseph has thrived very well on the lessons of frugality he learned while in their employ.

Thomas Douglass, of the Douglass Mfg. Co., well known to the buyers of those days, was another manufacturer whose methods of doing business seemed to be productive of a satisfactory profit. He was an eccentric character, but I always found him "as straight as a string" and we could invariably make money on his goods. He would do almost anything for a customer who would swear by his wares and endeavor to establish a reputation for them, which, I must say, early in their history they didn't always possess; but they gradually improved and when they sold later under the auspices of the Russell & Erwin Mfg. Co. they acquired a well deserved popularity which still holds the market under the name of his successor.

"Tommy" Rowland and his brother Linforth (Thos. B. Rowland & Sons) would occasionally run over from the Quaker City and talk shovels. Rowland's scoops always had a reputation equal to Ames' shovels and their lines of shovels and spades could be bought so as to sell at a profit, especially when sold under our own private stamps. They made many mining shovels for Lake Superior trade from patterns original with us and which gave us a very good hold on the trade of the "Upper Peninsula."

Some of our old "stamp mill" shovels were thrown in the auction room a year ago and must have been carried in the warehouse for a long time before they were sold for a very nominal price. Some buyers speculated with a lot of them, wondering, I guess, what that flat shovel was ever made for.

Those were the early days of the manufacturers of American hand saws, the prevailing brand in all New York stocks being Spear & Jackson's, then "as familiar in their mouths as household words," now only a memory. They were ordered by the New York jobbers through Orgill Brothers, corner Platt and William Streets, who had a regular "cinch," as the boys would say, selling this popular saw. But Henry Disston gradually worked in a few of his various grades, although it was uphill work until the war tariff with specific in addition to ad valorem rates favored the production. Then Richardson Brothers added their efforts and gave cheaper grades of saws in more reliable stock, much neater and better styles than the cheap imported "plugs," some of which were as stiff and unyielding as a spade, and eventually the really more modern and improved American styles crowded the foreign goods out of the market, the present race of carpenters knowing nothing of their merits or demerits.

Among those from whom we purchased our foreign Hardware, how the genial personality of John G. Witte looms up. He was a salesman par excellence; he made a study of the buyer, watched for him, kept after him, and once you accepted his invitation to "call at his office" and inspect his line of samples you were "a goner." On the morning of the day appointed you would receive a printed

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card in your mail, showing you that with "John G. Witte you have an engagement for 2 o'clock." On reaching his office he was already awaiting your arrival with his assistants near at hand to show all his line of samples, which were one after the other passed up for inspection. During the investigation of their salable merits a glass of kimmel would be filled and quaffed, a 25 cent cigar would be extended to you and lighted and a very congenial, pleasant, enjoyable afternoon would be passed with no feeling of weariness resulting from the time so spent. His place was a museum of curios of all kinds and he was constantly on the alert for something new. So that no matter how many times you may have enjoyed his commercial hospitality there was always something new to make your visit one long to be remembered.

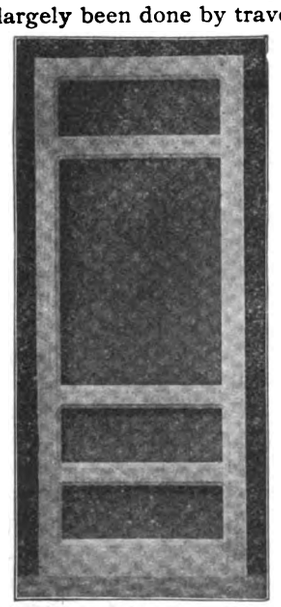
But enough for the present, for

"Lulled in the countless chambers of the brain
Our thoughts are linked by many a hidden chain.
Awake but one, and lo! what myriads rise!
Each stamps its image as the other flies."



Fine Screens for Good Houses.

In addition to stock sizes of Screen Doors and Window Screens, such as are now carried by nearly all Hardware stores, many of the more progressive establishments have, within a year or so, taken up furnishing good residences with fine screens made up to fit. Heretofore this work has largely been done by traveling representatives of concerns that make up screens exclusively for fine residences at extravagant prices.



Like bicycles and other specialties this line promises to "help out" in these hard times. It is especially attractive, as it yields good profits, there is no investment, and no risk of "dead stock."

The A. J. Phillips Co., Fenton, Mich., so well known to dealers in screens, are agitating this scheme. The plan is as follows: If a responsible dealer agrees to "push things" he receives a neat model of the removable sliding window screen, cuttings of finished woods and wire cloth, circulars, order blanks, catalogues, etc. When a dealer figures on a bill of Hardware for a new house, he figures on screens also. The orders are then sent into the factory, made up as quickly as possible, and the dealer puts up the work. The dealer is on the spot, acquainted with the customer, has reasonable prices, the finest of goods, and in every way has the advantage of the foreign traveler who solicits orders for such work from well-to-do people.

The A. J. Phillips Co. have a finely equipped department for doing this work promptly and well. A neat illustrated catalogue is sent to applicants from the trade.

Hardwaremen evidently flourished centuries ago as they do now. In a buried city that is being excavated at Santiago, Amattan, Central America, a large quantity of knives, swords, scissors and hammers were found at a depth of eighteen feet.

An Old Landmark.

The old corner of Greenwich and Dey Streets, which up to 1873, for nearly forty years, had been a Hardware land mark, was the crowning point of destruction in the extension of College Place, or "West Broadway," as it should undoubtedly be called.

I append an illustration of it as it last appeared as a Hardware store.

The writer of this column spent eighteen happy years of his commercial existence within its walls, and they were years that were considerably full of the usual vicissitudes of mercantile life. I can remember, in my early days, deciphering the names of many of my predecessors on the beams of the top loft where they were hidden in obscurity, and wondering if any of them would ever become famous; Frank Farwell, now of St. Paul (Farwell, Ozmun & Kirk), I remember was one of them; there were many others who made quite a mark in the Hardware world whose individualities I will dwell upon some day.

Who in that old time establishment received their first instruction on which to build their future moral edifice?

It was established as a Hardware store as early as 1836, by Hubert Van Wagenin, a descendent of one of the oldest of "Old New York" families and whose ancestors' names can be found among the ancient annals in "Valentine's Corporation Manual." John C. Tucker, who became a



clerk for him later, was eventually taken into partnership, and after the death of Mr. Van Wagenin succeeded to the business, finally becoming John C. Tucker & Co. by the admission of Thos. S. Smith (a nephew of Sidney Shepard of Buffalo), and Charles L. Curtis, who was the Tuckers' bookkeeper, and this was the firm with whom the writer in January, 1856, agreed to accept $125 as yearly salary, for a thorough devotion to the firm's interest.

The beginning of the Civil War in 1861 scared Mr. Tucker into disposing of their old business to his junior partners and retiring; he was president at the time of the "Minnesota Mining Co.," a company then engaged in copper mining and very successful, their $25 shares having sold as high as $156 each.

It is almost needless to add that the successors to the business during the next five years made larger profits than Mr. Tucker had enjoyed in the previous fifteen years put together. But he only stayed out of business a short time embarking again in a business with which he was entirely unfamiliar, but selling out in a year or two to join Mr. Saml. W. Sears of the old firm of Sears, Adriance & Platt, and forming the firm of Tucker, Sears & Co., but his connection with this firm lasting only a year or two, he failed to add very much to his invested capital.

Many a good story could be told of the honest eccentricities of this good old man, and one of these days I will manufacture history by retailing a few of them. H. H.

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RECENT TRADE PUBLICATIONS.

The John P. Lovell Arms Co., Boston, Mass., are presenting the claims of the Lovell Diamond Cycles for 1895, in a handsome and artistic catalogue which has just reached this desk. The artist and printer have united, and in colors and gold combined, have reached a result that is artistic in the highest degree. Upon the front cover sparkles a Diamond, in which the date "1895" and a beautiful young lady rider, can be easily discovered. Full illustrations and description of their Diamond Cycles are given. Upon an inside cover is found a portrait of the veteran founder of this great house. In a note of introduction the company present their claims for the present year in the following words: "The time has come which we have been predicting for some years: The era of lower prices for high grade wheels. The time when the people are to get fuller value for their money. Lovell Diamond Bicycles were the first really high grade wheels that were sold at a reasonable price. For years their sale has increased by such leaps and bounds, and they have proved such a thorn in the side of the 'high price" manufacturers, that finally the high price people have had to come down to Lovell prices. . . . This year Lovell Diamonds will have a larger sale than ever. The policy of their makers has been vindicated. They are high grade wheels of superior construction. They will be sold this year lower than before. Lovell Diamonds will be much improved this year, over last. Some of the principal improvements will be:—A higher barrel crank shaft; narrower tread; improved ball bearings; stronger and lighter spokes; interchangeable pedals; improved wheel base; new style handle bars, and a larger sized steel tubing for the frame. Lovell Diamonds have always proved themselves specially good wheels. They have always been exceedingly strong and durable. They are manufactured with the greatest care, and under the direction of the highest grade of mechanical talent. The factory is one of the largest and most perfect in the world. Lovell Diamonds have always 'stood up' well in actual use. Last year was no exception, and their reputation has been well maintained on the road and on the track. This year they will do better than ever. They are very light weight; and yet great strength and perfectness of manufacture will make them for 1895, as they have been in former years, one of the principal favorites, if not the favorite, of the season."

Julius Andrae & Sons Co., Milwaukee, Wis., have just issued two attractive catalogues, one showing their "Andrae" Wheels, and the other illustrating and describing their line of Bicycle Sundries. Each is complete in its way, and supplies a great deal of information of interest to the trade. In their list of sundries may be found everything known as necessary to bicycle riders. Their catalogue of the "Andrae" is a handsome piece of work. It shows their "Light Roadster," "Lady Andrae," "Andrae Path Pacer," etc. The illustrations are accompanied by full descriptions. In a note of introduction the company say: "When the ancients said that a work well begun was half done, they laid the corner-stone of a doctrine which has lived and will live through all ages. It meant that in any undertaking in life we ought to use our best efforts and the utmost pains to make a good beginning. This has a more direct application to cycle construction than to any other occupation, amusement or serious business of life. The Julius Andrae & Sons Co., ever since their departure in the building of bicycles, have steadily sought to uphold the efficacious and most practical principle of the ancients and with science and skill have triumphed in bicycle construction. The result of their efforts is shown in the Andrae Cycle, a wheel possessing the combined features of beauty, lightness, strength and speed. Cycle building, at the present time, requires the best brains, the best thought and the most skilled workmanship possible. Prompted by the spirit of the times when the bicycle age was practically in its infancy, the Julius Andrae & Sons Co. began in a small way to carry out their plans to manufacture a high grade machine, and with ample capital and a careful application of new ideas they have scored advantages over many older and larger concerns."

Between dainty white covers, embellished in chocolate and gold, the Premier Cycle Mfg. Co., New York, announce in detail their 1895 line of Helical Premier wheels. The first page is given to an interesting description of their patented Helical Tubing, and on the second and third pages is printed the report of the Ordnance Department of the United States Government, showing the remarkable results obtained with Helical Tubing. Pages four and five contain a short account of the history of the Premier wheels and the special features embodied in their 1895 patterns. Following these pages are full descriptions of the Helical Premier Roadster, Ladies' Helical Premier and Helical Premier Racer with handsome wood cuts. A section of Helical Tube with one end of the steel ribbon unwound, is also shown, half-tone illustrations of the Johnson Adjustable Handle Bar, including a "ghost," or double exposure with bar in two positions, and other sundries occupy pages twelve and thirteen, while page fourteen is given over to some very wholesome advice to riders on the care of their machines. Page fifteen contains a photographic reproduction of the tubes used in the Government tests above referred to, and the balance of the catalogue is made up of short and pithy testimonials showing the popularity of Helical Premiers in different parts of the country. A copy of this catalogue will be mailed upon request accompanied by a two-cent stamp, and readers will find it well worth sending for, no matter whether they contemplate purchasing or not.

The McIntosh-Huntington Co., Cleveland, Ohio, have issued their bicycle catalogue for 1895, and it is a neat and attractive presentation of an attractive line of wheels. There are the "Sunol," "American K. O. S.," "American Q. O. S.," "Hercules," and "Stella." With some of these, the Hardware trade is already quite familiar. All are thoroughly illustrated and described in a manner that shows them to the reader just as they are. Full specifications are given. A great many sundries carried by this house are also shown. In a note to their friends in the trade, the company say: "We wish to take advantage of this opportunity to extend our sincere thanks for the recognition and liberal demand accorded our bicycles during the past season. The modern bicycle represents the height of American ingenuity and skill, and is now recognized by the masses as a necessity, being used largely as a means of rapid transit in their every-day vocation. It has advanced with rapid strides, until its usefulness and benefits impress the ladies as well as the men, who recognize in it a means of pleasing and healthful exercise. We invite a careful perusal of the following pages, which will give you a good idea of our wheels for '95, and should be pleased to correspond with you should you desire further information."

A. Tredway & Sons Hardware Co., Dubuque, Iowa, have issued under date of March 15, 1895, a handsomely bound catalogue of iron, steel, wood-stock, heavy Hardware, etc., handled by them, among which are blacksmiths', horseshoers', wagon-makers' and wood-workers' tools and sup-

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plies, carriage and wagon Hardware, malleable castings, wagon and carriage wood-work, plough material, etc. The book contains 224 pages, and is bound in heavy stiff boards, red in color, with black lettering, and is a very artistic piece of printers' work. Illustrations and descriptions are found upon every page, and it is of course impossible to attempt an enumeration of the goods contained therein, as some eight or ten pages of the catalogue are required for the index alone. An attractive feature of the work is a portrait of Alfred Tredway, the head of the house. In a note of introduction the company say that the prices given in the catalogue are so far as is possible the manufacturers' standard lists, and are subject to more or less discount. They further explain that the catalogue is more of a help to their trade in knowing what goods they can furnish and as a guide in making up orders, rather than an indication of prices. They further say, "to the merchant trade we desire to say that our large combined stock of the class of goods shown in this catalogue and of shelf Hardware and tinware, enables us to fill the many orders which arise, including articles of both classes at an advantage over any house in the West, thus saving them the unnecessary expense of having shipments from two or three jobbers instead of one."

The Withington & Cooley Mfg. Co., Jackson, Mich., are sending out a leaflet headed "Special Lawn Tools." As they well say, spring is coming, and it is time to "prepare to groom the lawn." The articles which are shown upon this leaflet are indeed timely. There is a rake of a simple, tried, improved style, warranted to be durable, with handles of white-ash and six feet long. Other articles are their thistle or weed cutters, dandelion spud, and a floral set which, beside the dandelion spud, consists of a hoe, spade and rake. They explain that these tools are not toys, but are serviceable, of good material, well made and finely finished. The hoe and spade have steel blades, brightly polished. The rake is of malleable iron and of the latest pattern and finish. They will be pleased to send prices, etc. upon application.

The Withington & Cooley Mfg. Co., Jackson, Mich., have issued a handsome catalogue covering their entire line of Farm and Garden Tools. It is bound in black, green and silver, and handsomely illustrated throughout. Everything needed or that can be named under these headings may be found therein. The company say: "The maintenance of our standards of quality and finish of steel goods is a recognized element of our success as manufacturers of these lines. It is our aim to improve the grades of our goods where possible, and we exercise a constant vigilance over material, workmanship and design, that there may be no letting down in the quality of our products."

Vom Cleff & Co., No. 105 Duane Street, New York, have issued an attractive catalogue containing 106 pages, in which are thoroughly illustrated the French and German Hardware and cutlery of which they are importers and manufacturers. The work is bound in strong cloth covers. It is, of course, impossible to begin to give any enumeration of the many articles contained in this large work, the index of which alone fills several pages. Prices are given, and each article represented is well illustrated. The catalogue will be sent upon application.

The A. J. Phillips Co., Fenton, Mich., have just published a handsome catalogue showing their fly screens as applied to some of the finest private and public buildings in the country. A number of pages in fine half-tone are given up to illustrations of houses in Baltimore, St. Louis, Northampton, Mass., Detroit, Chicago and other places, showing the buildings to be thoroughly provided with goods of their manufacture. Their offer to Hardwaremen is found elsewhere in this issue.

Underhill, Clinch & Co., No. 94 Chambers Street, New York, are sending their friends a handsome little leaflet, which illustrates a number of augers manufactured by the Snell Mfg. Co., for which they are New York agents, with a list of other goods in that line. They announce that they intend to carry a stock in keeping with the wants of the trade, and that their prices will be such as the market creates.

Wallace & Sons, Ansonia, Conn., with warehouses at Nos. 29 Chambers Street and 5 Reade Street, New York, are sending their friends the handsome catalogue, an extended description of which was given in a recent issue of Hardware. It carries out in every sense the fine promise set forth in that advance notice, and is a credit not only to the house from which it emanates, but also to the Hardware trade.

The Rhode Island Perkins Horse Shoe Co., Providence, R. I., are sending out a price list of the Perkins Shoe, accompanied by several other matters of interest, among which are tables showing the relative cost of their special patterns of shoes compared with their regular standard patterns, figures concerning which were given in a recent issue of Hardware.

G. A. Supplee & Co., Nos. 265–267 North Ninth Street, Philadelphia, have issued a wholesale price list of bicycle accessories and tools handled by them. A glance through the catalogue shows about everything in the bicycle line anyone could desire, including bells, wrenches, stands, enamel, lubricants, air-pumps, repair kits, cyclometers, etc.

The Saml. C. Tatum Co., Cincinnati, Ohio, are sending out a convenient little pocket edition of a catalogue illustrating and describing their tools for the carpenter, cabinet-maker, carriage and wagon-maker, electrical man, etc. The articles embraced in this heading are illustrated and described.

The Bloomfield Machine Works, Bloomfield, N. J., have issued a leaflet illustrating their pumps, upon which they make announcement that they are now sole manufacturers of the Wolf Double-Acting Force Pump, and control all patented improvements upon the same.

The American Tube Works, Boston, are sending their friends a small but attractive catalogue of their seamless drawn brass pipe for plumbers. Prices, etc., are given, accompanied by a great many recommendations of the character and quality of their goods.

The Anthony Wayne Mfg. Co., Fort Wayne, Ind., have issued an attractive leaflet describing their Washing Machines, Ironing Boards, Clothes Wringers, etc. Prices are given. It will be found of great service to dealers who are at all interested in these lines.

The Illinois Safety Heating Co., St. Charles, Ill., have issued a comprehensive catalogue of the goods manufactured by them.

A practical method of preventing the gathering of steam upon store windows, when the stoves which are there on exhibition and lighted for the purpose of showing their qualities, become too hot, is followed successfully in London. The windows when clean are rubbed with glycerine, which is applied with a cotton cloth, while the glass is rather warm and entirely dry. This is followed by polishing the glass with a piece of canton flannel, until it shines, and the glycerine no longer appears.

The Egan Co., Cincinnati, Ohio, write as follows: "Hardware is a good paper, and we can recommend it to those that are interested in Hardware, for we believe it to be one of the very best and one of the strongest papers of its class ever issued."

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PORTER TO PARTNERSHIP--No. X.

I care not how good a clerk a man may be, no matter what interest he may take in his employer's success, or whatever energy he gives to his work, he will find when he is in business for himself that he does more work and does better work than ever he did before. I candidly think I was a good clerk; I know I tried to do all I could for Mr. Ely, but the moment I began to buy and sell for myself I saw a thousand ways of increasing trade and profits that had never occurred to me before.

To sit down and wait for business did not suit me. A new railroad was working towards us, and new clearings made around us almost every day. I was on the alert to see each new family as soon as they arrived. If I had ever been tempted to put on airs as a clerk, there was no temptation to do anything of the kind now. The new settlers who came from the East were sturdy men, who appreciated a handshake and a hearty welcome, and no one except an idiot could but respect them for the fight they were making with fortune. Some of these men's wives were delicate women, with faces telling of education and refinement, and one instinctively took off his hat to them, though they were in calico gowns, as quickly as to the city ladies in silk.

Life teaches very little to him or her if it does not teach them that manhood and womanhood do not depend upon broadcloth or silks. No merchant who reads this but can find in his list of customers men whom he honors and respects most among the poorest of his acquaintances. There are some of us who run through life with our bow for fine clothes and a kick for all in homespun. But this only shows that the fool-killer is not attending to his work.

Having so many German customers, it was a constant aggravation to me that I could not understand their orders nor make myself understood. I could say "we gehts" with them all, and smile as broadly as they could smile, but when they struck out into a sentence I had to shake my head and call for Fisher. And I was not long in learning what a shrewd fellow Fisher was. Hearing his broken English had led me to imagine that his ideas were about on a similar level with his language, but a few weeks' companionship with him led me to see that his brain was all right, though his English might be poor.

The first incident that told me what he was made of was in a codfish dicker. We received a lot that were a little spoiled. My plan would have been to work them off as best I could, but Fisher came to me saying:

"Marks, what's de matther mit dose godfish?"

"They're a little strong."

"Shtrong! dey shtinks."

"Yes."

"You send dem pack."

"I don't believe we can; I got them a cent a pound under price because they were not first-rate."

"Den you must sold dem to dose Yankees; de Yarmans will not puy dem."

"Why, they are not so very bad."

"Pad! My Got, dey shtinks! Und I gan't sell dose."

"If you can't sell them I'll send them back."

"Dat ish right; send 'em back; I tells de Yarmans dis ish goot, und it will pe goot all de time."

A somewhat similar incident happened with some herring, and I saw that Fisher's idea of business was to sell everything on his word, and that his word must be good; I did not respect him any the less.

But the German language bothered me. I tried to remember what the people called each article, but I found I was not learning very fast in this school; I determined to go to work in earnest to learn the language. I dropped a line to a bookseller in the city, asking him about books on the German language, and as the result of my writing to him I bought a little German and English book; on one side of the page was an English word, on the opposite side the same word in German. I began at once, learning a page at a time, and going back constantly to review, at the same time practising my new words on the people during the day.

It was dry and dull enough at first, but gradually I began to catch a meaning when I heard two people conversing in German, and in two months I was able to talk a little and understand a great deal. In this way I taught myself a new language until I was able to handle German trade as readily as if I had been born on the Rhine.

All this time I was working early and late. I kept the books, did the buying for our store, sold the produce in the city, and managed the store. At the other store Mr. Ely was doing well, and we looked forward to our inventories with great anticipations.

And yet the somewhat strange part in all this was that though I was making money faster than ever before in my life, I was spending less than when I was working as a clerk. I don't know whether it was because I was so busy, or because I did not need anything, but the fact was I was hardly spending a dollar over and above the support of my mother. I determined early in December to go off for a week with my mother, and we had a pleasant visit at her sister's, but my visit was brought to a sudden end. A message came to me from Fisher:

"Mark, come home at once; Mr. Ely is dead."

I saw all my hopes dashed at once; there would be an end to the firm; his capital would be withdrawn, and my career as a merchant would come to an end. My prospects had never looked so bright as they did, just now when they were blighted forever. We started for home without a moment's delay, and during that dreary ride my brain seemed to be repeating one refrain: "It was too good to last."

A manufacturer in Europe did not find satisfaction in any of the usual methods for the lighting of his cloth mills. He tried gas jets, arc-lights and incandescent lamps, all of which failed to satisfy him, because they either did not give light enough or too much light, or cast shadows. He finally painted the walls of his room white, and beneath a certain number of arc-lights suspended reflectors. This drew the light up to the white ceiling, from which it was reflected to the room below, and this method of lighting is reported to have been a success.

A parcel carrier for the pocket is being used in England. It is a little article that can be carried in the pocket when not in use, and is always at hand when wanted. It is nickel-plated, contains lengths of nickel-plated steel chain twenty-four inches long, and will allow a weight of twenty pounds. It can be used for books, parcels, umbrellas, etc., and is said to be specially patronized by shoppers and school children.

Aluminum has been introduced into the Austrian army, the band of the Third Regiment of Infantry having used it in the manufacture of drums. It it said that the drums are not only neater in appearance than those of brass, but are much lighter and more melodious. It is reported that the entire Austrian army will soon be pounding upon aluminum drums.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

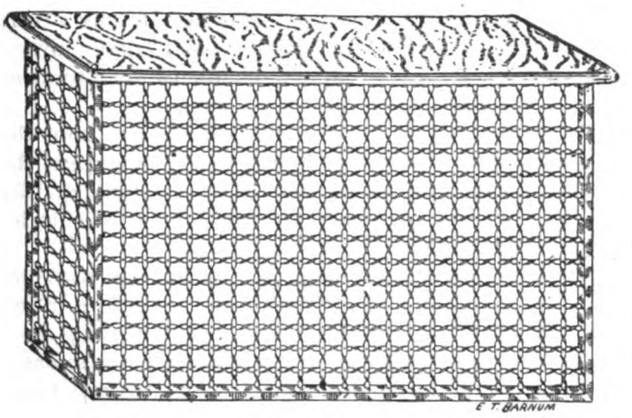
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

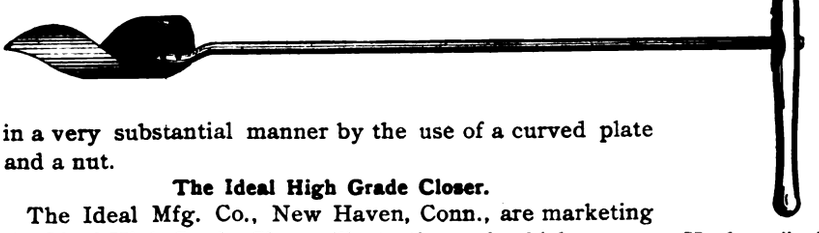
Barnum's Radiator Screens.

E. T. Barnum, Detroit, Mich., has brought out a light and ornamental Radiator Screen to cover the pipes in drawing rooms and apartments. The demand for such an article has been large since the great increase in the use of steam and hot water for heating purposes. These screens are made of twisted, quarter-twisted, or crimped brass, polished steel, bronze, or copper, and any size mesh, finish, and material desired.



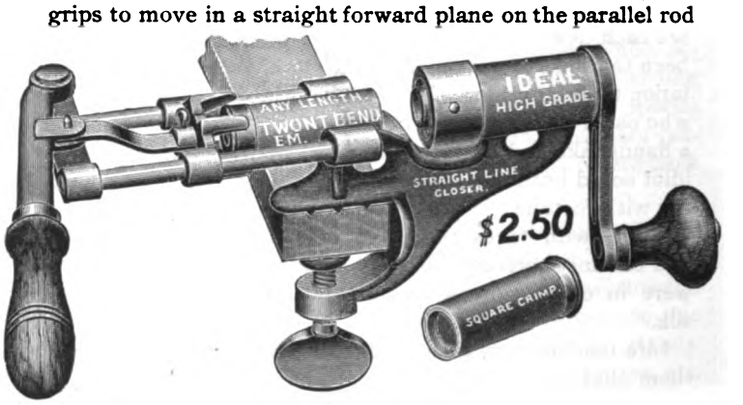
New Post Auger.

The Crescent Machine Co., Letonia, Ohio, are placing upon the market a new and novel Post Auger, illustration of which is here shown. This Auger is designed to bore a four-inch hole in advance of driving the posts with a maul. The manufacturers claim that it will make a hole deep enough for a post in from one to one and a half minutes in clean soil, and that it will work in any soil except where it is too stony. After the hole is made it requires but very little exertion to drive the post in, thus greatly reducing the hard labor of setting the post. Furthermore, the post need not be sharpened at all carefully, and yet drive easy and straight, and set firm. It is operated the same as a common auger by turning the handle, and when the blade is filled with earth it is withdrawn, the ground core removed and the operation repeated until the desired depth is reached. The blade is made of cast steel, well sharpened and securely riveted to stem. The handle is secured in a very substantial manner by the use of a curved plate and a nut.



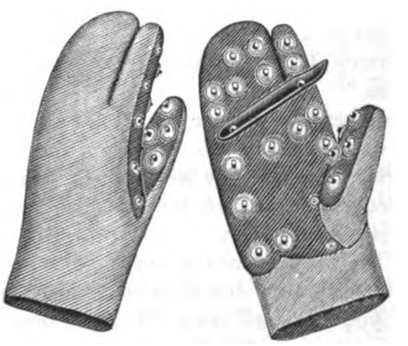
The Ideal High Grade Closer.

The Ideal Mfg. Co., New Haven, Conn., are marketing the Ideal High Grade Closer, illustrations of which appear here. The makers state that "the frames are all made of semi-steel, and are warranted not to break. The Closer heads are all made of steel case hardened, and the crimping pins are of the best crucible steel, hardened as hard as fire and water can make them. The whole implement is made in the best manner, and each one is guaranteed. The defects in the pivoted lever with a grip attached for pushing in and holding the shell have long been acknowledged; they will bend the shells if great care is not exercised, and they are limited to certain lengths of shells. There have been attempts at making a simple and perfect working straight line closer, but none has thus far supplanted the pivoted lever and grip, on account of its simplicity and the handiness of the lever. We believe we have overcome all previous objections. Our arrangement is simplicity itself; the movement is positively in a straight line and we have preserved the action of the pivoted lever by the simple addition of the link attached to and causing the grips to move in a straight forward plane on the parallel rod bearings. The head grips are so arranged that the shells cannot slip and they positively cannot twist up out of alignment and spoil the shells; there can be no bending of shells against the guide, as it is located a trifle below the body of the shell, which, while being crimped, has bearing only in the grips and the point of contact where work is being done. With the 'High Grade' closer you are not limited to any one length of shell, but you can crimp the shortest and longest equally as well. With this closer you can crimp more than one-third faster than with any other hand bench closer. In all other closers the operation of putting in and taking out the cartridge consumes as much time as it takes to do the work. The illustration shows implement fastened on to a strip of wood which should project beyond the table or bench, thus bringing the whole implement forward of the bench, leaving all open underneath for the cartridge to drop into a receptacle."



Blair's Husking Mittens.

The Blair Husking Glove Co., Bucyrus, Ohio, have introduced an improved Husking Glove called the "Husker of Huskers." The manufacturers claim that this glove is the best wearer for the price on the market. It is made of duck, the wearing parts, joints and seams being covered with leather, and protected with steel disks. It is further stated that these gloves are comfortable to the hands, and being extra long, protect the wrists. No. 025, drab or brown colored leather palms, $4.50 per dozen; No. 050, brown duck covered with brown leather, $4.50 per dozen;

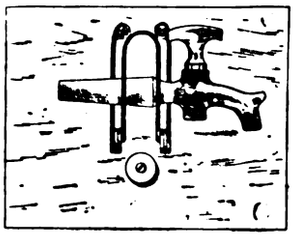


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No. 125, calfskin, $6 per dozen. Various points about these gloves may learned by reference to their half-page statement elsewhere in this issue.

Massey & Thompson's Sample Holder.

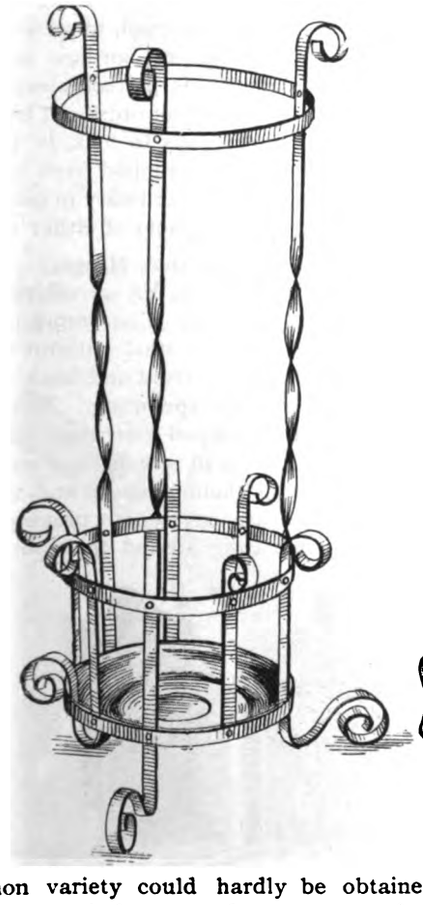
Massey & Thompson, Monroe City, Mo., are putting on the market their new Sample Holder which is shown in the accompanying illustration. The manufacturers state that "the advantages of this patent Holder are readily seen by any Hardwareman, as the sample displayed is easily taken



off and a new one put in its place, thus keeping the goods bright and new. The Holder keeps the sample from marring the front of the box. They are simple and inexpensive, and every Hardware store using shelf boxes or drawers should be supplied with them. They are made in three sizes, packed one hundred in a box with screws. Send five cents in stamps for a sample."

Wrought Iron Umbrella Stand.

The Wrought Iron Novelty Co., Philadelphia, Pa., are offering the trade a very attractive wrought iron Umbrella Stand with brass pan. It is 26½ inches high and 8½ inches in diameter and sells at $9 per dozen, which the makers claim "enables dealers to offer a high class and artistic stand handsomely finished at a price that even the most



common variety could hardly be obtained for. These stands are entirely new and are very popular with buyers."

The XLCR Wire Fence Governor.

The illustrations appearing here represent a wire fence governor marketed by the XLCR Wire Fence Governor Co., Muncie, Ind. It is described as "simple in construction, being composed of one piece of metal as in Fig. 1, with a square head as shown in Fig. 2. To apply the governor: construct the fence in the usual manner, using an ordinary post well braced for the end, it being unnecessary to bore holes in same. To tighten the wire, place the slot in the governor, over the wire as far as it will go; fit the wrench to the square head, revolve the governor, drawing up the wire on the spool to the desired tension, then slip the projection on the arm over the wire, and you are ready to go ahead and tighten up another wire. When it is desired to release the tension, simply give the governor a half turn or more in the opposite direction." It is stated that the gov-

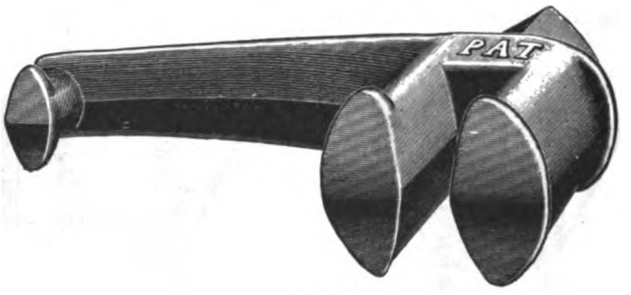


FIG. 1.

ernor "is applied to the wire itself, thus doing away with a square end post and the boring of a hole for each wire in same, which is the case with the end governor. Furthermore, as it can be applied to the centre of a line of fencing, and as it winds from both sides, it will be readily seen that it does not require the 'pull' nor the number of revolutions, necessary with the end governor. It can be used on old wire fences, where the wires have become loose or sagged, by simply placing a governor where it is desired to

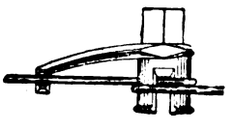


FIG. 2.

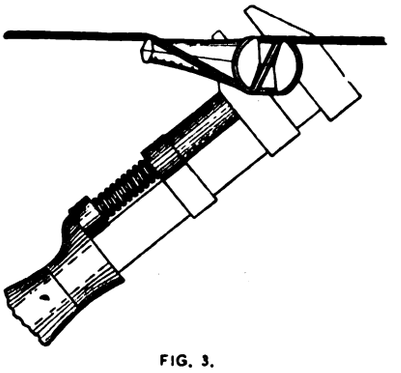
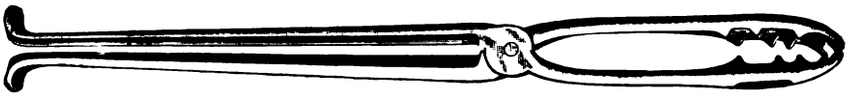


FIG. 3.

take up the slack. It will be found invaluable for this purpose alone, saving the labor and time required to reconstruct old fencing, besides the saving of crops by preventing small stock from getting through at them. It can be used on any kind of wire, anything that the slot will admit. Also, on anything not a fence, where a tension may be required, such as wire clothes lines, guy wire, etc."

Improved Pig Forcep.

The Decker Mfg. Co., Keokuk, Iowa, are placing on the market an Improved Pig Forcep, illustration of which is shown here. The company claim that this forcep "is the



best instrument of the kind that is made, for the reason that scientific principles are carried into its construction. The handles not crossing like those of shears, there is no danger of pinching or bruising."

The Matchless Coffee Pot.

The Hill & Whitney Mfg. Co., Boston, Mass., are offering the trade the Matchless Coffee Pot. This coffee pot has a movable filtering receptacle which admits of first steeping the coffee and then filtering it. The manufacturers explain that "by at first placing the filter at the bottom instead of suspending it from the top of the pot, the following advantages accrue. The grounds and water are quickly and perfectly combined and remain together, steeping as long

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as is desirable. Slow pouring of the water upon the grounds is obviated and the full strength of the coffee is acquired in the shortest possible time. When sufficiently steeped by raising and suspending the filtering receptacle at the top of the pot the infusion is quickly separated from the grounds and made ready for use. By using a filter practically of as large an area of the pot a close texture of cloth can be used, permitting the use of fine ground coffee, resulting in economy of time and material and the production of a clear extract, free from all grounds or sediment.

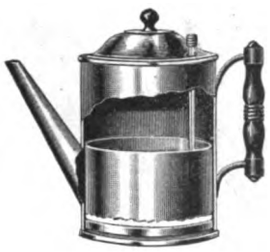


FIG. 1.



FIG. 2.

By daily renewals of the filter, at a cost of one-fifth to one-eighth cents each cloth, a uniform and excellent beverage can always be obtained, free from all disagreeable taint, a result impossible of attainment by any other means, as most persons are aware who have used bags, or textile filters of any kind." Fig. 1 of illustration shows the filter in position. Fig. 2 shows the filter raised. Price, two-quart pot, $1.25; three-quart, $1.50.

The Magic Dish Drainer.

The Leach Roaster & Baker Co., Paxton, Ill., are manufacturing a novel and handy kitchen utensil, the Magic

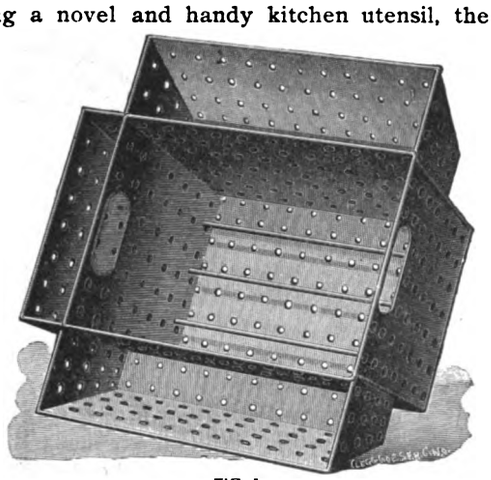


FIG. 1.

Dish Drainer. This device is constructed of perforated sheet metal and is intended to be placed in the sink. The

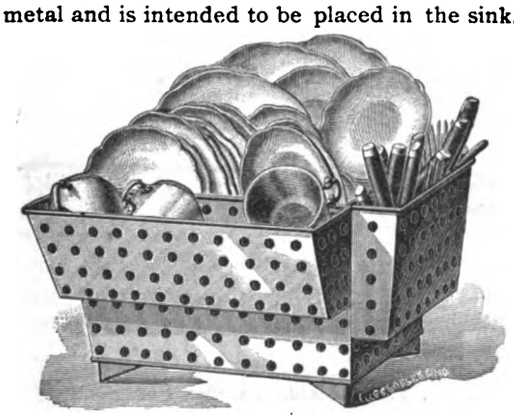


FIG. 2.

dishes are placed in the drainer after having first been washed, and hot water poured over them, and in a few seconds' time they can be removed ready for use, or be put away without wiping. There are separate compartments for large and small dishes, which lessen the chance of breakage. It can also be used advantageously to carry dishes from kitchen to china closet.

Peerless Automatic Safety Sash Lock.

The Specialty Introduction Co., P. O. box 1053, New York, are putting on the market the Sash Lock here illustrated. The part of the lock which is fastened on the lower sash has a knob or thumb piece, which is raised to unfasten the lock. When the upper sash is raised or the lower one lowered, the lock fastens automatically. This is brought about by the lever being automatically raised as it comes in contact with the part of the fastener on the upper sash, and by being held in a locked position by the thumb piece

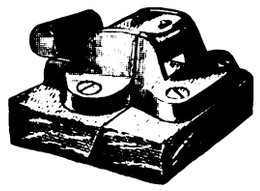


FIG. 1.

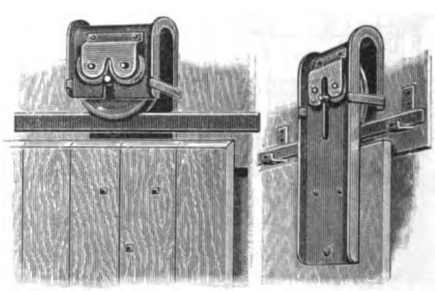


FIG. 2.

engaging in notches on the rear side of the lever. The act of raising the thumb piece as described above, releases it from the notches on the lever, and unfastens the lock, so that either sash may be moved. The lever is furnished with three notches, so that the lock fastens as soon as the lever comes in contact with the part of the fastener on the upper sash, even though the sashes are not closed within three-eighths inch. The two parts of the lock are beveled on the inside so that they may come together at the top but not at the bottom, and the pointed piece at the centre of the part on the upper sash is beveled from back to front. This construction is intended to draw the meeting rails of the sash together when the lock is fastened, to prevent the window rattling. The fastener has no springs, and the makers state that the mechanism is perfect, simple and strong and having nothing to get out of order. They further claim that the fastener never fails to lock, is burglar proof and cannot be forced apart, nor slipped from the outside. It fastens to the window in the ordinary manner and does not interfere with the free movement of either sash.

Terry's Covered Safety Barn Door Hanger.

The Terry Mfg. Co., Horseheads, N. Y., are offering the Barn Door Hanger here illustrated. The frame of the hanger is made of one solid piece of steel without rivets, and the steel hoops connecting the front and back of the frame are to prevent the hanger spreading. The small wheels acting as bearings are stamped from steel, and the rivets forming the axles of the small wheels have enlarged centres with a view to giving them strength and ease in working. The small wheels are covered to prevent dirt, chaff, ice, etc., from accumulating around them and pre-



venting them from working easily. It is stated that the axle of the large wheel comes in contact with the revolving surfaces of the four small wheels continually, and that it does not rub against the side of the hanger frame. A slot in the hanger frame prevents the door from jumping the track, as it allows the large wheel to remain on the track when the door is raised, and also allows the large wheel to be removed or replaced easily without spreading the frame. There is but one size hanger made, as the makers claim that it will carry any sized door any required distance, and con-

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sequently a dealer need carry but one size to have a complete stock.

The Gem Rubber Stamp Holder.

The C. T. Williamson Wire Novelty Co., Newark, N. J., are preparing a novelty for the trade in the shape of a rubber stamp holder, which will be ready early in April. It



has a spiral spring brace and a screw thread and requires no tools for attaching. These holders can be sprung open to admit several sized handles and can be placed on the desk or wall where most convenient. They come in two sizes, in nickel and tin. Size 1, No. 2, tinned, 35 cents per dozen; No. 2½, nickel plated, 55 cents per dozen; size 2, No. 4, tinned, 40 cents per dozen; No. 4½, nickel plated, 60 cents per dozen. One dozen in a box. A discount to the trade.

A New Curry Comb.

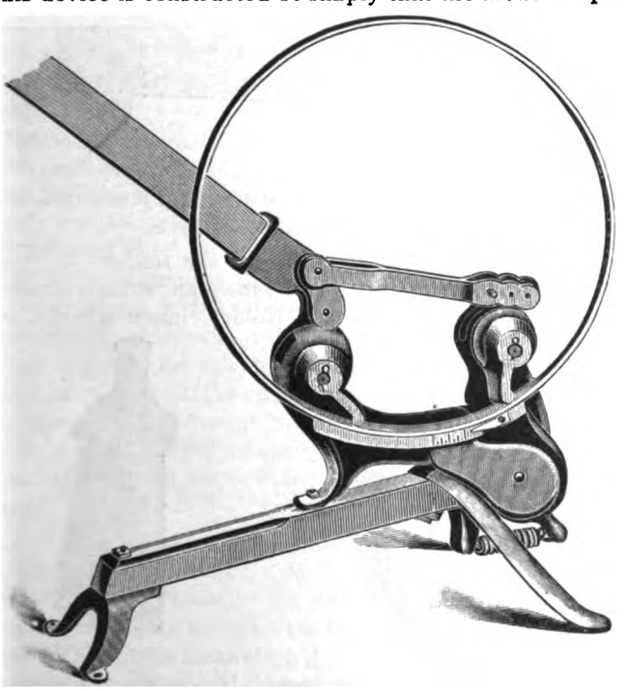
The Decker Mfg. Co., Keokuk, Iowa, are introducing a Close Back, Continuous Spring Bar Curry Comb. The makers state that "in placing our new square No. 94 Curry



Comb upon the market, we do not hesitate to claim for it the good will and praise of all horsemen. It has a close back and sides. No dust can fly out through the top or at the ends."

The Rockford Tire Shrinker.

The Love Mfg. Co., Rockford, Ill., are manufacturing the Rockford Tire Shrinker, illustration of which is here given. This device is constructed so simply that the mode of oper-



ating it can readily be learned from the illustration. It can be successfully worked by one man, which is a decided advantage over machines requiring two operators. Bringing down the lever grasps the tire and does the work; raising the lever opens it. The amount of shrinkage is shown by an index finger. The tire need not be removed till it is upset as much as necessary. The Shrinkers are made in four sizes, No. 1 being intended for custom work and the others for heavier tires.

The Bissell Spring Announcement.

As has been the custom of the Bissell Carpet Sweeper Co. for several years past, to get up some special scheme each season that will tend to stimulate the sale of Bissell Carpet Sweepers, for the coming Spring season they have just formulated a "Trial Plan," which will furnish a means to every merchant to sell Bissell Sweepers in much shorter time and at less expense than any way heretofore offered. Then, too, the features embodied in the plan will arrest attention to a dealer's store and show window and thereby draw customers into the store, thus making sales of other articles that would not otherwise have been made. The show card and circular matter included in the scheme is



very novel, and a neat half-tone card, entitled "Mother's Two Treasures," for distribution, will appeal to the approval of all the carpet trade.

The line of woods comprehended in their Spring announcement and from which the "Grand Rapids," "Gold Medal," "Superior," "Cosmopolitan," and "Furniture Protector" will be made, consist of curly birch, quartered sycamore, antique, Old English, natural, and 16th century in selected quartered sawed oak, elegantly finished.

The attention of the trade is directed to the last announcement of the Bissell Co., Grand Rapids, Mich., or New York, as one of considerable value, and dealers should not delay in corresponding with the Bissell Co. for further particulars.

The Kansas City Implement Dealers' & Hardware Club held their regular meeting and supper at the Midland, March 10. John F. Lee, the national president, and Burt W. Lyon, secretary of the Missouri division of the Travelers' Protective Association, were guests of the club. These gentlemen addressed the club on the work of the T. P. A.

An electric restaurant is to be one of the features in the great exposition to be held next year in Amsterdam. Visitors will be served automatically with a complete dinner, and all they will have to do will be to press an electric button, eat the food, and pay the bill.

A new company has been organized to operate under the charter of the old Sunbury Nail Bar & Guide Iron Co., Williamsport, Pa. The mill will be started about May 1st, and will give employment to some eighty-five men.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Bicycle Padlock.

The Union Lock & Hardware Co., Lancaster, Pa., are offering the trade the Bicycle Padlock, which is here illustrated. It is made of solid bronze metal in nickel-plate and plain finish. It has a spring shackle and is self-locking. The key guide is of the revolving order, and the key as in Fig. 2 is of flat spring steel, rolled, milled and nickel-plated. "All the working parts, springs, bolts and tumblers are of phosphor bronze wire and metal. The chain and ring are of solid steel, possessing, it is claimed, a tensile strength of 350 pounds. The manner of fastening the chain to the lock is the knuckle joint system, which is entirely new. The lock is made in fourteen styles, six of which have the chains covered with pure gum tubing. This lock is introduced in response to the demand for a lock combining strength with lightness, compactness and beauty."

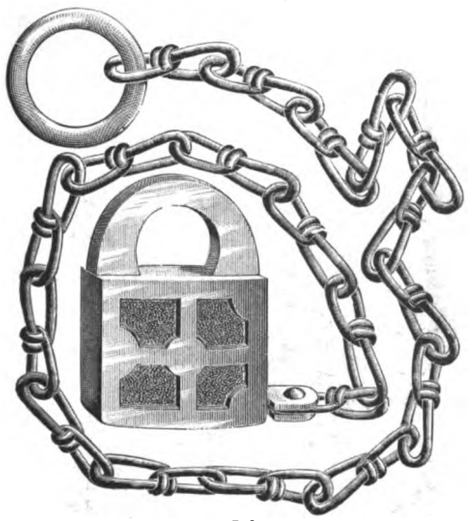


FIG. 1.

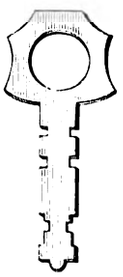


FIG 2.

The Speeder Cycle.

Fig. 1, of the illustrations here given, shows the Speeder Cycle, manufactured by the Speeder Cycle Co., New Castle, Ind. Fig. 2 shows contents of sprocket wheel with left-hand plate removed. "It will be observed that the gear wheels are so arranged as to constitute a perfect roller bearing and centering device, thus obviating the tendency to friction and wear on case and shaft in their revolutions." The Speeder is described as follows: "The frames of the Speeder are made of the best quality weldless steel tubing, steel drop forgings throughout, finished in black, and reinforced at the joints. Head, 10 inches; wheel base, 43 inches; tread, 5¾ inches. Handle bars are made of ⅞-inch tubing, either raised or drop pattern. Wheels are 28 inches, and fitted with Marion wood rims. The spokes are made of piano wire, sustaining an average tensile strain of 1000 pounds each. The bearings are made of the finest tool steel throughout, as well as cones, and are perfectly dust-proof. The cranks are made of a special high grade steel, 6½ and 7-inch throw, fastened with crank-key and lock-nut. The pedals are Indianapolis, rat-trap or rubber, and are perfectly dust-proof. Indianapolis pattern chain. Garford or Sager saddles. All the bright parts are nickel-plated on copper. All wheels are shipped with Morgan & Wright tire, unless otherwise instructed. Depth of frame, 22 inches; weight, from 25 to 26 pounds. Price, $125."

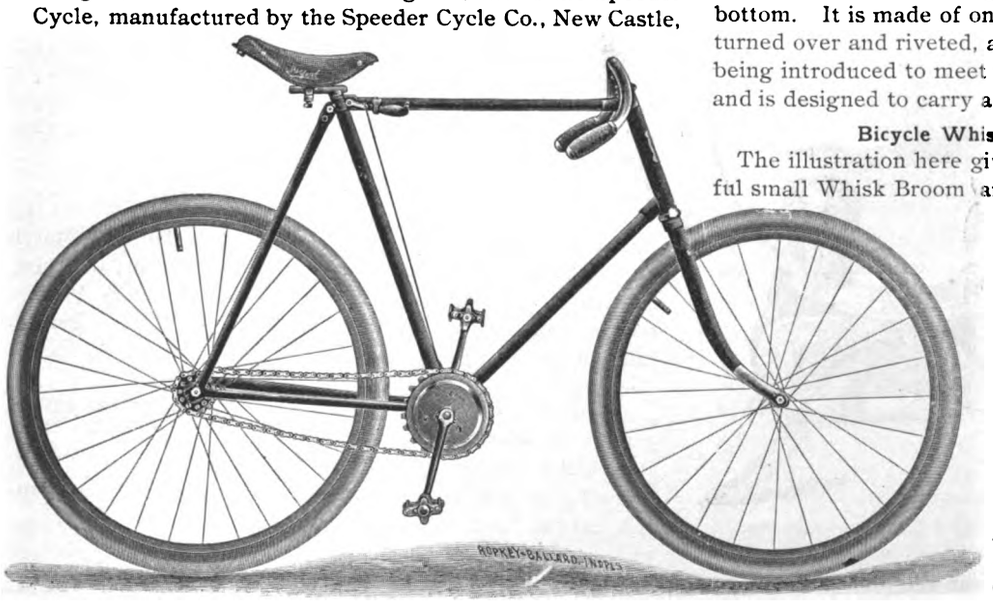


FIG. 1.

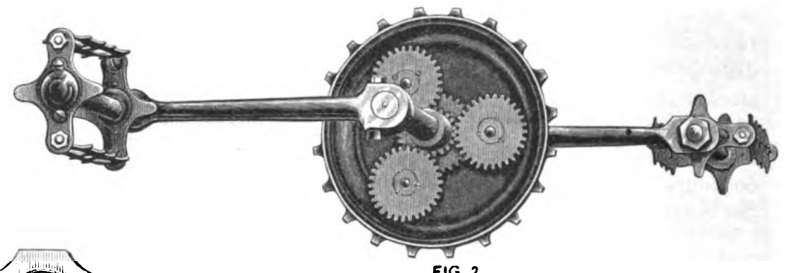
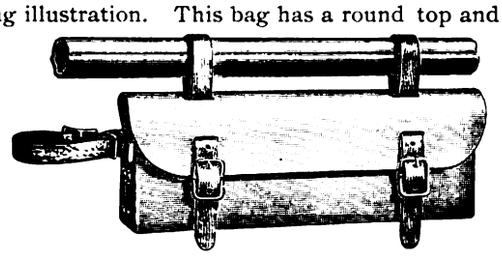


FIG. 2.

Bicycle Tool Bag.

The J. J. Warren Co., Worcester, Mass., are introducing a new leather Tool Bag for bicycles, as shown in accompanying illustration. This bag has a round top and square bottom. It is made of one piece of leather, the ends being turned over and riveted, and has no seams whatever. It is being introduced to meet the demand for a low priced bag, and is designed to carry a full kit of tools.



Bicycle Whisk Broom and Holder.

The illustration here given shows an attractive and useful small Whisk Broom and Holder, manufactured by the J. J. Warren Co., of Worcester, Mass. It consists of a small, first quality whisk broom, fitting closely into a neat leather case, which by means of two straps is fastened to the head of the wheel. It is impossible to jolt the broom from its posi-

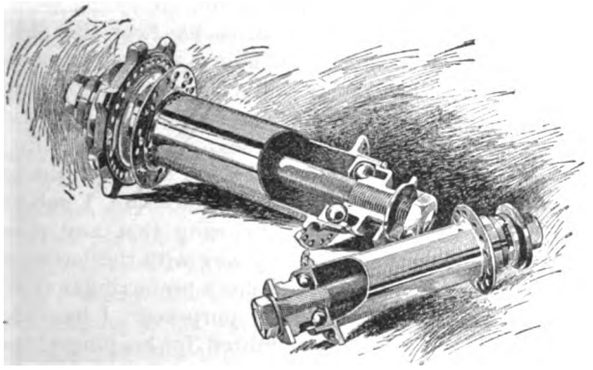


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tion, and the wheelman who has one on his machine will find himself enabled to make a presentable appearance after a long and dusty trip.

Columbia Barrel Hubs.

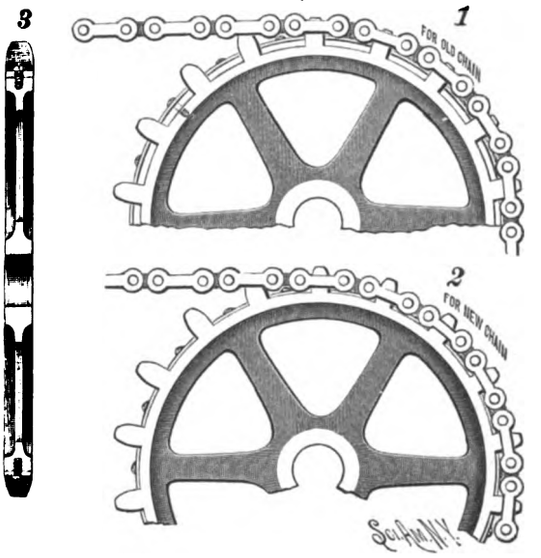
One of the improvements of the 1895 Columbia is the Barrel Hubs. "These hubs are both stronger and lighter than the old style. It is interesting to note that the plain forgings for the new hubs weigh 35⅞ and 12¼ ounces, rear and front, respectively, while the finished hubs weigh but 6½ and 2 ounces, and are as light as any hubs made. The diameter of the centres of the two hubs are 57-64 inch for the front and 1 9-32 inches for the rear. The flanges project but 5-16 inch. The spoke holes on the sprocket side of the rear hub are made with a buttonhole arrangement, a great convenience in placing or removing spokes. The flanges on this hub are 2⅞ inches apart, which is ¼-inch wider than last year. Increasing the angle of the spokes gives a firmer brace to the rim. This is evidence that the Pope Manufacturing Company deem the strength of the rear wheel of such vital importance that they will not sacrifice it by narrowing the hub to meet a like shortening of the crank shaft in providing for a reduction in tread. The number of spokes has been increased from 32 to 36 to give still greater strength to the rear wheel. The Columbia is probably the only 1895 wheel having removable ball cases in the front as well as in the rear hub. This setting in of the ball cases greatly enhances the value of the hubs. Damage to cases does the hubs no injury, and danger of cracking, common to case hardened hubs, is elim-



inated. Besides, the cases take the hardening better than would the whole hub. The cases and cones are turned from a solid bar of the best quality of steel for the purpose, the machining in this operation giving them a wonderful uniformity. They are naturally much superior to cases and cones stamped from sheet steel. The shape or curvature of their working surfaces is carefully designed, carrying the balls with the least possible friction, and admitting of ready and accurate adjustment. They are brought to a finely polished finish, and hardened for wear. The largeness of the hubs permits the introduction of 5-16-inch balls in the rear wheel, which tends to make the bearings run more smoothly than ever. Direct application of oil to the bearings is made through the cones. Four holes—for this purpose as well as for the spanner wrench when adjustment is necessary—enter through the edge of the cone into an angular groove. A sliding spring cover protects these openings. The shafts are 5-16 and ⅜-inch in diameter, front and rear, respectively."

Improved Sprocket Wheel.

Murphy & Kolb, Lockport, N. Y., are introducing an improved Sprocket Wheel. This wheel is manufactured by placing a small plate between the teeth of the wheel, which is held in place by a small screw. "When the chain becomes lengthened, all that is necessary is to unscrew the plates and place underneath them a small piece of paper. For the first time the thickness of a postal card will be sufficient. This increases the circumference of the wheel and makes the chain fit the wheel at all times. When it does not fit one will find that the wheel runs hard; the chain will pull on one tooth only, and the friction will wear the teeth still faster. This device does not add to the weight of the wheel, and will save the rider a new chain every six months." The makers state that "this device has been tried since last season with a chain that was called worn out, and was stretched two inches in fifty links. It was made to



run as easy as a new chain, thus proving that as long as the chain fits the wheel there will be no increased friction, or extra power to run it, thus doing away with the snapping of the chain when in motion. The filling in the adjustments also deadens the rattle of a wheel, which is a good feature. This device must be applied to the rear sprocket also, but it requires only one-half as much packing as in the large one."

The Steward & Romaine Expansion Bolts.

The Steward & Romaine Mfg. Co., Philadelphia, who manufacture Single and Double Expansion Bolts exclusively, and whose business dates back for the past fourteen years, state that they are now furnishing only their Single and Double Lock Nutted Expansion Bolts, having for some time stopped sending the old style of bolts, on account of the imperfection in same, of the nut slipping away from the cases, which does often give a great amount of trouble to the parties using the same. Their present Single and Double are lock nutted in such a manner that they are held together so completely that the expansion part can be inserted in a wall intact, and there is no trouble of connecting when the bolt is inserted through the material to be fastened up. The testimonials held by the firm would fill a good sized book, reaching from Los Angeles, Cal., on the west to Portland, Me., on the east, and the City of Mexico, Mexico, on the south. England and Canada are also included. They will furnish catalogues on application or loan cuts to those proposing new catalogues.

J. R. Nutting, of Sickels, Preston & Nutting Co., Davenport, Iowa, and HARDWARE'S Davenport correspondent, had arranged to spend his winter holiday in Washington. Accompanied by his wife, he reached the national capital, but soon after arrival, Mrs. Nutting was taken seriously ill with the grip, and for several days her life trembled in the balance. The result was favorable, and Mr. and Mrs. Nutting were enabled to return to their home in Iowa, where the lady, we are happy to say, is upon the road to complete recovery.

Fred. J. Allen, of the newly-formed Hardware firm of Allen & Allen, No. 1608 Ridge Avenue, Philadelphia, has been looking about New York for additions to stock, and making the acquaintance of the trade in this city.

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MR. SAXTON ON THE SILVER QUESTION.

EDITOR HARDWARE: The silver question is at present a disturbance the world over, and especially in these good United States. Almost everybody is searching for a plan that will keep silver in use as a medium of exchange and as a basis of values. Just why there has been this tenacious movement, I have been unable to find out. It appears to me that the only rational demand for the employment of silver as currency, beyond for subsidiary uses, should come from the silver mine owners. I can readily understand it would be an excellent arrangement for them to always be able to depend on a good firm market for their production, but I cannot understand why anyone else should want to make it a basis of their exchanges and transactions, any more than copper, brass and other important metals. The demand of the silver contingent that there shall be free coinage at the ratio of 16 to 1, I consider the most preposterous impudence ever inflicted on an intelligent people. Such a law would mean that the silver producers could take fifty cents' worth of silver to our mints and go away with the purchasing power of a dollar, or, in other words, double their investment by this simple operation, and leave the people to pocket the loss when the crisis came, as it surely would come. Why should any people sanction such a crazy outrage as this, is beyond my comprehension. Are the intelligent people of the United States so anxious to be swindled, that they are willing to join in such an iniquity to accomplish their own ruin?

There are, however, a good many well-meaning people in this country who really think plenty and great abundance of circulating medium will mean better times. and who are set up in the fallacy that the government can create values, and that anything the government stamps with its insignia is worth *per se* what the government stamp calls for. Suppose the government could create values, and set their dies or printing presses to work turning out money, who is going to obtain it? There are only two ways of obtaining money or property, viz.: working and earning it, or stealing it. But the fact is, all the governments in the world cannot create a single cent. All whose gray hairs put them back to our war period, know the fallacy of governmental creation. They know that our greenbacks were simple promises to pay, whose values oscillated up and down according to the government's ability to make good its promises. The only difference between the greenbacks and free coinage 16 to 1 is in degree. In one case it was all promise, and in the other there is partial security. I am of the opinion that there is not any real demand or occasion for more circulating medium, than that supplied by the present world's stock and future product of gold. How much actual money is employed in the world's business? I do not know; but judging from my own limited experience, I much doubt if ten per cent. of the business done by wholesalers is transacted in actual money. Retailers and manufacturers, etc., no doubt, employ a larger per centage, but what they employ, in its natural circulation keeps rotating and doing double and triple duty all the time. So that a thousand dollars in a community will do the work of ten times that amount.

Now, while my views are as above stated, I am not unfriendly to silver as money, provided it can be placed on a par with gold, and kept there. One would naturally say the proper way to accomplish this, is to increase the ratio, and make it 32 to 1, or whatever is the proper existing ratio; but as silver in these later days is such a fluctuating metal, it will appear after a time that the parity is again broken, and, besides, who wants to lug around our present cart-wheel doubled in size? What way is there, then, if silver must form a part of our currency, to so use it, and maintain its parity with gold? I have a very crude idea that the best, least expensive, and least disturbing plan would be to make the government a gain and loss account in silver. I should have the government purchase silver at lowest market prices to the extent of the country's needs, controlled by proper legislation, or after the Congressional experiences we have had, a commission would be preferable. Then the government should issue silver certificates, each denomination calling for sufficient silver at the market price on the day of demand, that would equal the value of such denomination in gold. The government in this operation would stand between the business interests of the country and a fluctuating market in silver. Sometimes there would be gain and sometimes loss, but would it not be far better for the people in case of loss, to make the loss good by uniform taxation, rather than have their business interests disturbed as they have been during the past two years, causing untold individual losses from one end of the country to the other, paralyzing trade and commerce everywhere, and totally upsetting confidence. In this latter case all is blank uncertainty; in the former case, the worst that could come would be a slight increase in taxation, levied in a way that would not be burdensome to anyone. Under our system of protection, and specially McKinleyism, the strong point of those who have been its beneficiaries has been that the tax on each individual has been so hidden, that very few realized they were helping make millionaires, while they were growing poorer. In the silver plan suggested, the taxation to cover any losses would be legitimate taxation and for the benefit of all concerned, and could never approach the great steal of the protected industries. At any rate, I submit it in embryo for what it is worth, knowing that any plan of mixing up the government in any way with the business of the country is objectionable and much preferring that silver be only employed for subsidiary purposes. I have, however, not yet seen any plan submitted for keeping silver on a parity with gold, that would hold water and that did not involve fiatism, and to this I am unalterably opposed, as in my judgment it only postpones the evil day.



New York, March 30, 1895.

Joseph D. Jewett and Walter C. Vaughn announce that they have formed a copartnership under the firm name of J. D. Jewett & Co., and have removed from the old stand at No. 19 Pearl Street, to their new store, No. 168 Washington Street, Boston, where they offer a complete line of builders' Hardware, general Hardware, cutlery and tools. They say: "With our better facilities and additional lines, we hope to receive increased favors from our friends, and assure them of prompt and careful attention."

W. S. Estey, No. 65 Fulton Street, New York, announces that after March 1, 1895, the business heretofore conducted by him, will be carried on by a newly-formed organization known as the Estey Wire Works Co. It is needless for us to add that this change is in the direction of an advance, and that the energy heretofore shown at No. 65 Fulton Street, will be still displayed, and will be crowned by even greater success than that of the past.

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Gurney Patent Refrigerators.

Now that spring is upon us the thoughts of all good housekeepers turn to refrigerators. The Gurney Refrigerator Co. carry a full line of refrigerators, from the smallest for the bachelor's flat, to the largest for use in hotels, in their Eastern establishment at Nos. 105 and 107 Hudson Street, New York, which enables them to fill orders at a moment's notice.

The refrigerators made by this company are described as possessing many advantages. The removable galvanized ice compartment, which is a feature, allows of the refrigerator being kept perfectly clean. "By its use the necessity is overcome of permitting any of the vapors arising from the provision chamber to enter the inner walls or pass through end flues, depositing unwholesome gases and food particles in inaccessible places that cannot be got at and cleaned, as is true of all the old style refrigerators. In the Gurney refrigerators the air from the provision chamber rises, passes directly against, and through holes, in the four side walls of the ice compartment. The ice compartment can be lifted out when necessary, and it and the refrigerator made as sweet and clean as a milk pan. In the Gurney system, it is not necessary, as in the old style refrigerator, for the warm air of the provision chamber to go through the slow process of passing through small end flues. In this system the galvanized ice compartment practically partakes of the same temperature as the ice which it contains. The warm air from the provision chamber arises and strikes the galvanized ice compartment, is lowered in temperature, falls to the provision chamber, displacing the warmed and lighter air, which rises to the ice and in turn falls to the provision chamber. The ice compartment is also perforated with holes, which admit the air to the ice from the front, back and both ends, and passes the cold air down through the ice to the provision chamber. The preservation of food placed in a refrigerator depends largely on dry air. To secure this, a refrigerator must possess free circulation and a large condensing surface. In the Gurney the two side walls and both end walls of the removable galvanized ice compartment, practically partaking as it does of the same temperature as the ice, forms a condensing surface many times larger than any of the old style refrigerators, many of which rely on the ice only for condensation. In the Gurney the ice is not permitted to touch the zinc side walls and hence there is no condensation between the inner walls. An examination of the inner walls of any of the old style refrigerators will plainly show the unhealthy effect of this condensation deposit. The Gurney gets its condensation on the four side walls of the galvanized ice compartment, which formation runs into the drip pan and passes off through the waste pipe. The walls of most refrigerators are packed with charcoal or the space between the walls is left without packing of any kind. In the Gurney system the walls are packed with mineral wool, which is the best non-conductor known. A comparison of the heat conducting powers of mineral wool, charcoal and air space is as follows:

Mineral Wool	100
Charcoal	140
Air Space	280

"The Gurney refrigerators are constructed in the best possible manner and of fine material and finished in style."

During the month the Rice & Sargent Engine Co., Providence, R. I., have received three orders for steam engines. One is a tandem-compound of 300 horse power, with cylinders 14 and 26 inches and a 42-inch stroke, independent condenser, to run at 100 revolutions a minute in the Pembroke Mills, Suncook, N. H. The Lawrence, Mass., Lumber Co. have ordered a 200 horse power engine, 20x42, 80 revolutions, and the Oakdale Mfg. Co., of Providence, a 75 horse power engine, 12x30, 110 revolutions.

Keating Successful Opening.

"Nothing succeeds like success. The Keating, 365 days ahead of them all." This is the sign emblazoned on the west wall of the store at No. 65 Merrimack Street, Manchester, N. H., and which met the gaze of more than six hundred visitors who attended the Keating Wheel Co.'s opening some evenings since. The rooms had been tastily decorated with American flags, and a handsome sign erected over the entrance, around which were placed in advantageous positions small flags and transparent lights. The occasion was something of a novelty, in that it was the first formal bicycle opening ever given in that city, and proved an unqualified success. There was a goodly number of callers in the afternoon, but in the evening the room was crowded until nearly 12 o'clock. The merits of the wheel were thoroughly explained by the gentlemanly and courteous manager, Frank R. Parker, and his assistants, James T. Parker, J. H. Fitzgerald and Walter B. Sherer, who are to be found there permanently, and Moses Sherriff, Charles F. Sawtell and David Flanders, the latter gentleman presiding over the refreshment branch and dealing out lemonade and cigars to all comers. To demonstrate the excellent qualities of the Keating, two wheels were exhibited. One had been ridden nine thousand miles by Charles F. Sawtell, and the other eleven thousand miles by Charles Colburn, and the bearings on either showed no signs of wear. A score or more new wheels and the display of sundries were looked over by the many callers with an evident degree of satisfaction, and Mr. Parker was the recipient of hearty congratulations on all sides. The art of riding the silent steed will be taught by Capt. Moses Sherriff, and W. B. Sherer and James T. Parker will be in charge of the repair shop.

While searching the cells in a Chicago police station recently, a small home-made cell stove, manufactured by a prisoner, was found. The stove was an ingenious thing. The top had been taken from a condensed milk can, which had been filled with grease, the slow accumulation of settlings from soups and from the stubs and waste of candles. A strip of blanket had been unraveled and twisted into a big wick, which was imbedded in the grease. When the wick was lighted it made a strong blaze. It was used to warm the coffee at night.

The first samples of American Humbers were received and placed on exhibition at the New York depot of Humber & Co., America, Ltd., No. 318 Broadway, March 25th. They proved to be well worth waiting for, as they are wheels of great charm. While distinctively Humbers, the modifications made in order to Americanize them have been such as to satisfy experts that the Humber standard has in fact been improved upon by the American branch of the firm.

The Supplee Hardware Co., Philadelphia, Pa., are distributing a neat little card, printed in red, bearing the following announcement: "April showers will make the grass grow. Have you bought your Lawn Mowers? If not, write us." In the lower right hand corner is a calendar for the month of April.

The Star Nickel-Plating Works, No. 428 Walnut Street, Philadelphia, announce that they have purchased the stock and machinery of the Curtis-Child Mfg. Co., and intend to manufacture the Solid Comfort Saddles recently made by them.

The Empire Knife Co., West Winsted, Conn., have commenced work on a brick building, 80x26, to be used as a cutlery shop.

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THE DEMORALIZING BARGAIN COUNTER.

The ruling spirit in the mercantile world in these, the last days of the Nineteenth Century, since Christ came to proclaim the brotherhood of man, is Cheapness, and his throne is upon the Bargain Counter.

Before this tyrant every interest must bow. He exacts tribute from manufacturer, merchant, miner, planter, farmer, salaried official and wage earner. He has even become the controlling influence in national politics, and governs every school of political economy.

Campaigns are lost or won upon a mere question of figures, and parties vie with each other in promising the voter cheaper products at special bargain counters.

It is not surprising that the wage workers of the whole world are in a state of unrest bordering upon anarchy. They see that the steady tendency of the age is to lessen the cost of production. They are taught that all other costs have a limit beyond which they may not go, except the cost of flesh and blood as paid for in wages. These must decline to meet the prevailing cry for cheaper products, but there is no mile-stone to mark the place where they may say "thus far and no further."

There was a time when consumers demanded good goods and at reasonable prices. Employers could then pay fair wages for a fair day's work, and merchants paid tribute to quality, knowing that price was but one factor in a sale. But less than a generation ago there came into trade circles a new class of manufacturers whose sole idea of gaining and holding trade was by underselling all competitors. They ignored every question as to quality and harped solely upon their prices. If the buyer pointed to the inferior finish, the poorer workmanship, the doubtful quality, he was met with but one answer: "Look at the price!"

Two classes of dealers welcomed these new producers, those who saw greater profit in selling inferior goods at old prices, and another class who was able to foresee that "cheapness" would become the gospel of trade.

Both classes found the venture a paying one. In one place the careless or confiding customer accepted the poorer goods at the same prices he had been paying for better wares. The other stores were plastered over with notices of "bargains," and people hastened there to do their buying.

The advent of the "Cheap John" manufacturer, and the eagerness of people for bargains, compelled other producers to reduce their prices in order to hold their trade. As the campaign proceeded they cheapened the material, they slighted the workmanship and they reduced wages.

Trade in every line became a keen hunt for something lower priced, in order that to-morrow's announcement might be lower than to-day's. This spirit has permeated every branch of commerce, and "bargains" are the one lodestone that attracts all sorts and conditions of men and women.

Wherever the bargain counter has a home, it has monopolized the talent and brains of all concerned in its management. But where can one go and not meet it? It has its special organs in the great Sunday papers, and its glaring invitations to those who worship cheapness are the controlling influence in Monday's shopping.

Who shall be so foolish as to rail against economy? Is it not the crowning Christian virtue? Why shall not the workingman's wife make her few dollars go to the farthest possible length in her purchases? The answer is ready: Because her keen scent after bargains is the controlling influence in reducing the wages of her husband and sons and daughters. If she must have cheaper goods, these others must do their share towards it by working for less wages, so that the wares may be offered at less price than before.

Of what value is it that the wage earners form "Unions" to keep wages at a higher level, when their own households are searching the columns of the Sunday paper for lower priced goods!

When one reads the piteous and heart-rending stories of starving sewing women, do not the loud announcements of the dealers, "Finished Garments At Less than the Cost of the Cloth," at once appear before his eyes? Is not one the complement of the other? There is nothing on earth so cheap as flesh and blood, for it now touches a limit of cost of production; everything else does.

How can there be perennial bargains if wages and material are not perpetually scrimped? And as a bargain ceases to be a bargain to-morrow if not at less price than to-day so must wages drop lower and lower to meet the demand for cheaper wares. In the political economy of the next generation there will be one axiom made more prominent than all others: "Cheap Goods Make Cheap Men." Satan must surely rejoice when he sees the whole world uniting in the one cry of Cheap! Cheap! Cheap!

One operator in coal wants the best customer of another operator. Every other inducement failing he cuts the price. Then the other retaliates; the fight goes on and coal is sold at a loss. The wages of the miners are reduced, as he is told, in obedience to the laws of trade, and the cutting in prices goes on its merry way.

Is it any wonder that the miner and his fellows get together and demand that the laws of trade shall so adjust themselves that a scant living at least is assured to workmen? Why shall one dealer, whose business ability is measured by his readiness to undersell his competitors, make a standard of wages that means a lack of the common comforts of life in one hundred thousand homes?

When a dry goods dealer advertises a garment a few cents under the price of his neighbor is there a single woman who stops for a moment to consider her sister in the garret who has to work for less that this may be done? Is the saving made by the buyer a matter of actual concern to her? It very rarely is. But to produce the article so that it could be sold at this lower price women went hungry to their wretched beds.

If one did not know that every bargain offered meant sorrow to wage workers somewhere in this wide, wide world, if not at his very doors, he might rejoice that so much could be bought for so little money. But any article is sold too low when the man or woman who made it was not paid living wages. And when the wage earner's purchasing power is reduced every other interest must necessarily suffer.

The gauge of the times is the condition of the wage earner. Give him fair wages, increase his power to supply himself with the comforts and even the luxuries of life and his demands for these will accelerate the wheels of business in every line and bring prosperous times for all interests.

But the bargain counter must have cheaper goods; it encourages bankruptcy; it offers a premium for inferiority, but it increases its advertising space. Nothing is out of its line, from summer silks to mess pork, from pianos to liver pills.

But O, ye bargain hunters, how can ye close your ears to the despairing cries of men and women who work from dawn till midnight and barely keep themselves in bread, though bread is now so cheap!

Is it nothing to you that these toilers are without joy, without hope? Only despair is theirs. Only a dark to-day

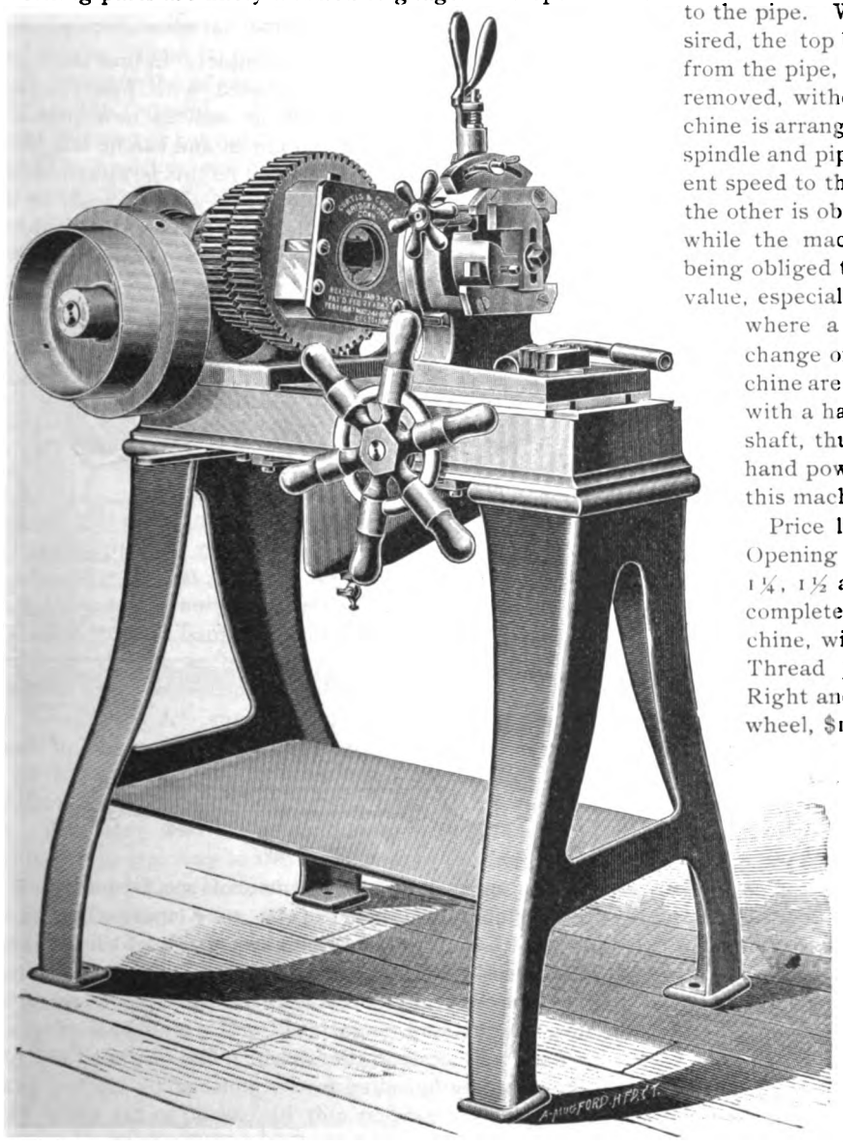
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followed by a doubtful to-morrow. They are the slaves of the modern Moloch, the Bargain Counter, that monster who knows no mercy and serves no God but Cheap John.

Toledo, Ohio, April, 1895. WM. H. MAHER.

Curtis & Curtis' Power Pipe Machine.

Curtis & Curtis, Bridgeport, Conn., manufacturers of pipe cutting and threading machines, in order to meet a demand for a machine in which the pipe revolves and the dies are stationary, and wishing to please everyone as far as possible, have designed and placed on the market the machine herewith illustrated. "All its parts are made interchangeable so that any part can be duplicated by simply naming them. The gears are all cut from the solid block, and all working parts are finely finished to gauge. To operate the



machine, the pipe to be cut off or threaded is run through the hollow spindle of the machine from the left, passing through the self-centering guide chuck shown at the left of the spindle and the self-centering vise at the right, and the die-head. The pipe is then clamped by turning the screw in the vise, which not only clamps the pipe, but brings it central with the dies; by turning the hand wheel shown on the front of the machine, the die-head is moved so that the cut-off tool comes opposite the point on the pipe where it is desired to cut, and can there be clamped in position. The back stop shown on the right side of the die-head is run down over the pipe, and the pipe cut off by turning the wheel on the side of the die-head. All this cut-off arrangement is self-contained and allows a moment within ways, so that if the pipe should be slightly bent or out of round it would move with it, and thus facilitate the operation. Should it then be desired to thread this end of the pipe, the lever shown on top of the die-head is thrown over to the proper graduation on top of the machine, which brings the dies to the standard size for the size of pipe to be cut. Should there be found, as often occurs, that the fittings to be used varied from the standard, the proper allowance can be made with this lever so as to cut over or under standard size. Should there be a number of pieces of the same size to be cut, as in making nipples, the block, into which the lever engages can be set to size, and the lever simply snapped back into it each time without resetting. This feature is of particular value where the machine is operated in a dark room or where unskilled labor is employed. The die-carrying head is then advanced by turning the hand-wheel shown on the front of the machine, operated through a rack and pinion under the die-head, and the dies lead on to the pipe. When the dies have advanced as far as desired, the top lever is thrown back, which frees the dies from the pipe, the die-head is drawn back and the pipe is removed, without running back over the thread. This machine is arranged with two sets of gearing for rotating the spindle and pipe, each of which is adapted to give a different speed to the machine. A change of speed from one to the other is obtained by simply moving a convenient lever while the machine is running at full speed and without being obliged to stop. This feature will be found of great value, especially in changing from threading to cutting off, where a higher speed is desirable. Thus, with a change of belt speed on the cone, four speeds of machine are attained. When desired, we fit the machine with a hand-wheel, which is attachable to the cone-shaft, thus allowing the machine to be operated by hand power. Solid pipe or bolt dies can be used with this machine when desired."

Price list: No. 20 Power Machine, with Cut-off and Opening Adjustable Dies to Thread ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 inch, both Right and Left Hand; price, complete, with Countershaft, $200. No. 21 Hand Machine, with Cut-off and Opening Adjustable Dies, to Thread ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 inch, both Right and Left Hand; price, complete, with Hand-wheel, $195. No. 22 Hand and Power Machine, with Cut-off and Opening Adjustable Dies, to Thread ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 inch, both Right and Left Hand; price, complete, with both Countershaft and Hand-wheel, $210. Can furnish Bolt Dies for these machines, if desired.

A meeting of the safe and lock manufacturers was recently held in Cleveland, Ohio, at the Hollenden. An effort was made to keep their presence and their errand secret, and in this they succeeded to a certain extent. Prices and sales constituted the major portion of their discussions, and it has been stated that a movement is on foot to organize a combination for the better regulation of prices. Among those present were E. C. Hall, H. Urban, G. B. Hanndey, R. T. Pullen and G. F. Cook, of Cincinnati; H. S. Donahue, of Pittsburg; C. C. Loring and George Demon of Boston, and George L. Remington, of Philadelphia.

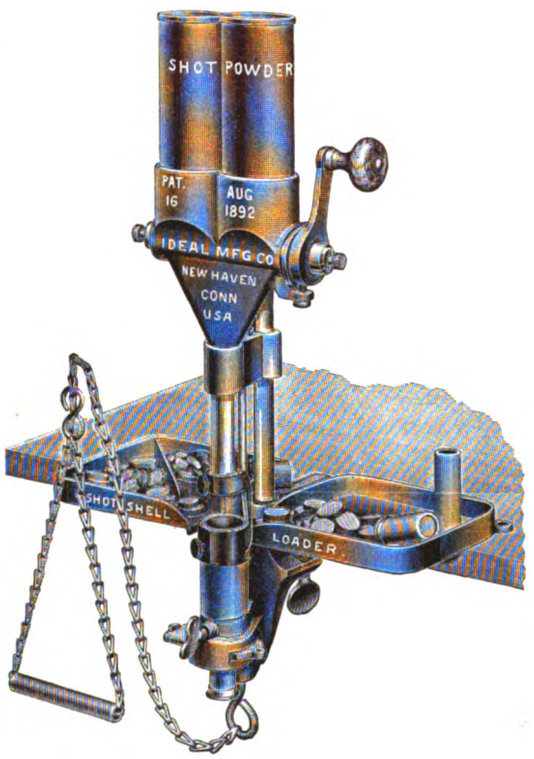
In the Hardwaremen's Exchange page of this issue will be found a card in which a cutlery salesman of experience, ability and a peculiar adaptability to the work announces that he is open to an engagement to travel. Any letter addressed to this office to "Cutlery Salesman" will be sure to reach him immediately.

The Kenton Hardware Mfg. Co., Kenton, Ohio, have received a large consignment of aluminum, which is to be used in the manufacture of bicycles.

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A Yankee Concern.

The Ideal Mfg. Co., New Haven, Conn., is truly a live Yankee manufactory. Mr. Barlow, the manager, is sharp and keen, always alive to the interest of his constituency, which consists of shooters of rifles, pistols and shotguns, and the general trade that supplies them with the various implements for making ammunition. The Ideal Tools have become things of necessity to shooters in all parts of the world, these goods being recognized as staple articles by such Hardwaremen as deal in sporting goods. Mr. Barlow seems to anticipate the desires and requirements of the sportsmen in advance, and he is continually bringing out new articles or improving on the old. It is but a short time since we announced and described the Ideal Shot Shell Loading Machine. It has proved a good one and a ready seller, yet the company have made some radical changes in it for the better. The upright rod, which was square and acted as a guide for the rammer, is now a round steel rod, and there is a rammer guide located on the shell receiver (see cut), so that the rammer is guided positively central and direct. It is claimed for this machine that "it is the most simple and the cheapest machine made." Wm. Wag-



ner, of Washington, D. C., who loads all of the shells for President Cleveland, loaded last year with this machine over 150,000 shells, and those that the President used on the recent ducking trip were loaded on this machine. It certainly has the endorsement of those who are well qualified to testify to the merits or demerits of a machine for loading shells. A list of these names is now before us, and they are well-known among arms and ammunition manufacturers and dealers. The new High Grade Closer, Universal Powder Measure, and all of the various implements for shooters is fully illustrated and described in the Ideal Hand-Book No. 6, which is just issued by the company. It is a well written pamphlet of ninety pages, containing much matter of interest for shooters and dealers, and none should be without it, as it has become a recognized authority on matters pertaining to rifles, pistols, shotguns, powders, bullets and general ammunition, and it can be had by simply asking for it. We would advise all who are interested, to write for one to the Ideal Mfg. Co., of New Haven, Conn.

Rathbone, Sard & Co., Albany, N. Y., have opened their stove works. One shop is now in operation and employs one hundred men.

The "Acme" Hose Coupler.

A new article of genuine merit is the patent "Acme" Hose Coupler, advertised on another page by the Adams & Westlake Co., Chicago. "Everyone who has had experience knows how unsatisfactory the old screw couplings are. They take time, cut and bruise the fingers, and the constant twisting of the hose soon wears it out and makes it worthless. All this is avoided by the use of the 'Acme'



NO. 2. DISCONNECTED. NO. 1.

Couplers, which are remarkably complete, in that they provide for everything and can be used with hose already equipped with screw couplings, as well as new hose. A faucet tip (No. 3) screws on the faucet and can be left there permanently or removed at will. To this is attached the hose end, equipped with the No. 1, if a new hose, or the No. 4, if the hose has the old style screw couplings and the owner does not care to bother about removing them. It



NO 3.



NO. 4.

will be noticed that the male end is caught on the projecting edge of the female, the two pieces brought together, lever turned and a water-tight coupling results, without any wear of twist of the hose. The operation is practically instantaneous. The No. 2 is also designed for new hose and goes with nozzle, when No. 4 is used as an intermediary. The No. 4 is used with nozzles and takes the place of No. 1 when used with the old style couplings. A very clever device is the 'A. & W.' Hose Band, which is made of brass



HOSE BAND.

and can be applied without the use of special tools. It is quick and effective, and can be used more than once. Florists write in terms of the highest praise of these goods, and unsolicited testimonials are being received in every mail." The Adams & Westlake Co. have placed advertising in all the leading magazines for May and June, and anticipate a lively demand therefrom. The "Acme" Coupler will undoubtedly be called for very often.

From trustworthy sources we learn that the Hardware manufacturing industry in New Britain, Conn., is within twelve or fifteen per cent. of what it was when the recent cyclone of hard times struck us. Items like these are reassuring, when they come from sources which are not to be doubted.

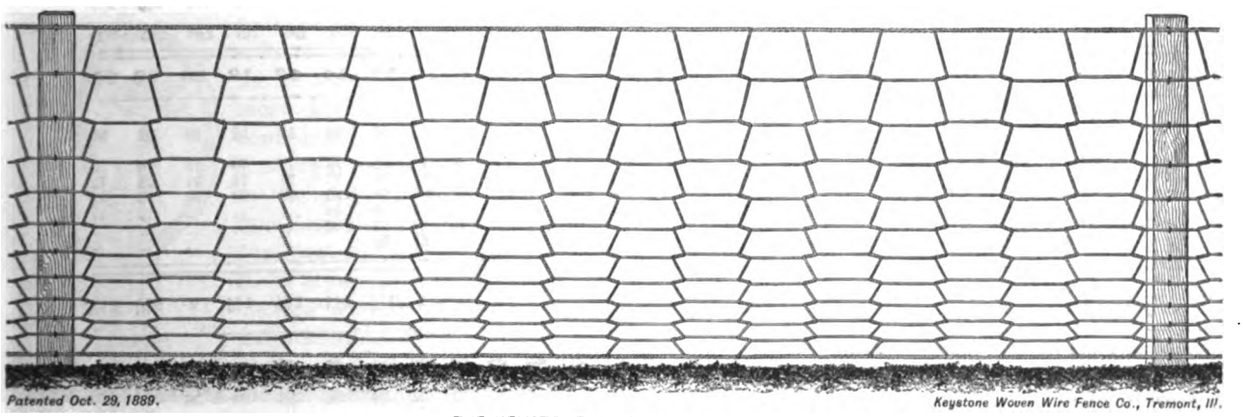
E. C. Simmons, president of the Simmons Hardware Co., St. Louis, recently said to a prominent manufacturer that the business of his company for the first three months of 1895, had exceeded the business for 1894 by $1,000,000. Croakers Keep Off The Grass!

The New York State Association of Hardware Jobbers met at Albany some days since and discussed questions relating to the trade, after which they were dined at the Fort Orange Club by President Charles H. Turner, of the Albany Hardware & Iron Co.

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The Keystone Woven Wire Fence.

We are in receipt of the sixth annual catalogue issued by the Keystone Woven Wire Fence Co., of Tremont, Ill., which shows a complete line of farm fencing. One of their leading styles is shown in the accompanying illustration, and is described as follows: The top and bottom bars consist of two heavy wires (No. 12) twisted together. The intermediate bars, as well as the cross or stay bars, are also made of No. 12 wire. As will be seen by reference to the illustration, the cross or stay wire is twisted first with the two wires in the top bar, then it passes down across all the intermediate bars, and is twisted with each at the intersecting points. It is then twisted with the two wires in the bottom bar about twelve inches, when it passes upwards, uniting with the intermediate bars in the same manner, and is again twisted with the two wires in the top bar about twelve inches, when it passes downward as before described. Among the advantages claimed for this style of fencing are the following: "It does not cause snow drifts; it cannot burn up or rot down; it cannot be blown away in a storm, like board or rail fences; it does not cut, cripple or kill stock, like a barbed wire fence; it does not shade crops nor draw plant food from the soil, like hedge fences; it does not become loose from the effects of the wind, like a picket fence; it does not harbor weeds, vermin and insects, as do stone, rail and hedge fences; it takes but little room; that is an important advantage over hedge and rail fences. The stay wire being continuous and twisted into the cables from one stay to the other makes the fence perfectly smooth and leaves no chance for the stay to unravel and become detached from the horizontal bars. Our stay or cross wire is very heavy and as the horizontal bars are dependent on the stay wire to, make a fence all fences in which a small, light stay wire is used are in this respect inferior to the Keystone. Our stay or tie wires are twisted with the horizontal bars at intersecting points, thus making the most perfect connection; making it impossible to slip the stay wires out of place. In this respect the Keystone is superior to any fence in which the stays are only wound around the horizontal bars, thus allowing the stays to slip out of position, which destroys the utility and appearance of the fence. The Keystone has ample provision for the changes in temperature. The horizontal bars are abundantly strong and the spaces between them narrower than in any other farm fence that we know of. In addition to the style here illustrated the catalogue shows several different heights of the same kind of fencing, also a practical device for stretching the same, and gives much useful information on fence building. The goods manufactured by this company are described as a profitable line for dealers whose customers are largely among the farmers." For further particulars see their statement on page 19 of this issue.



THE KEYSTONE WIRE WOVEN FENCE.

The Pennsylvania Hardware Co., Reading, Pa., will add a stamping department to their plant in a short time.

The "Guarantee" Wringer.

The Lovell Mfg. Co., Erie, Pa., are pushing with very gratifying success their Guarantee Clothes Wringer, some features of which may be learned from their full page statement upon page 95, this issue, where may also be seen a fac simile of their guarantee. In giving a history of this line of goods the company say: "For two years or more past we have had calls from both retail and jobbing Hardware tradesmen for Wringers, 'made with those old fashioned soft rolls, such as were put into Wringers twenty years ago, many of which did good service in family use for six or eight years.' To this we have always answered, that we could furnish such wringers if dealers and their customers would be willing to pay prices corresponding with their cost, as they did in the good old times of twenty years ago. Of late this call has become so urgent and dealers have so fully expressed their willingness to pay any reasonable price that might be necessary to secure such a wringer that we have decided to meet this demand by bringing out the Guarantee Clothes Wringers. The rolls in these wringers are made by the same company who made 'those old fashioned soft rolls of twenty years ago,' and are the very best that it is possible, with our thirty years of experience, to produce, regardless of cost. Only the very finest grade of rubber is used in their construction. Better rolls could not be produced if one hundred dollars each were offered for them. We guarantee them to be better rolls than were ever put into any wringer before, even in the good old days of twenty years ago. Notwithstanding the fact that the finest grade of rubber costs substantially the same now as it did twenty years ago, we will be enabled through improved methods in the manufacture of both rolls and wringers to sell them at much lower prices than wringers were sold for in those good old days when the retail price for a wringer with ten inch rolls was never less than $8.00, and the retail dealer paid $72.00 and upwards per dozen for them. Every roll put into these wringers will bear our trade mark moulded into the surface of the roll, and we guarantee every roll bearing this trade mark to be made as described above. We have made the prices on the wringers in which these rolls will be used as low as it is possible to make them and leave us a reasonable manufacturers' profit." The company have issued a handsome catalogue, describing and illustrating their goods in full, and will be pleased to send the same upon application.

The American Indicator Co., Lawrence, Mass., are placing upon the market a new Cyclometer to register 10,000 miles, and repeats, or can be set back to zero. It has a handsome black dial, illuminated hands, and is a very handsome and desirable instrument. Retails for $1.75.

The Nubian Iron Enamel Co., Cragin, Ill., have issued their tasty little desk calendar for April, May and June, 1895. It is full of good things, as usual.

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Price List Tacks, Nails, Brads, Etc.

Some space is here given to the Revised Hardware Price List of Tacks, Nails, Brads, etc., adopted March 25, 1895, and announced in full as follows by the Atlas Tack Corporation:

For ½-pound papers where prices are not given, add 2 cents per pound to List. For ¼-pound papers where prices are not given, add 4 cents per pound to List. Any of the above kinds, Tinned or Coppered, not specified, 20 cents per pound advance on above prices. American Cut and American Carpet have same Bulk List as Swedes Cut and Carpet. For 5-pound bulk boxes, add ½ cent per pound net.

Full Weight. Ounces,	⅛	¾	1	1½	2	2½	3	4	6	8	10	12	14	16	18	20	22	24
Swedes Iron Tacks (all kinds except Gimp, Lace, Brush, Looking Glass), cents per dozen papers	160	180	200	220	240	260	290	320	360	400	440	510	580	650	720	790	870	950
Tinned Swedes Iron Tacks (all kinds except Gimp, Lace, Brush, Looking Glass), cents per doz. papers	260	280	300	320	340	360	390	430	470	510	580	670	760	850	950	1,060	1,170	1,280
Gimp and Lace Tacks, cents per dozen papers	300	320	340	370	400	430	470	510	560	610	670	740	820	910	1,020	1,130	1,250	1,400
Tinned Gimp and Lace Tacks, cents per dozen papers	400	420	440	470	500	530	570	620	670	720	810	900	1,000	1,110	1,250	1,400	1,550	1,730
American Cut Tacks (including Carpet), cents per dozen papers	...	...	180	200	220	240	280	290	300	320	340	400	460	520	580	640	700	760
Tinned American Cut Tacks (including Carpet), cents per dozen papers	...	...	...	...	...	...	330	330	410	440	490	560	650	740	830	920	1,010	1,100
Copper Tacks, cents per dozen papers	112	112	112	130	140	160	180	200	252	336	420	504	588	672	756	840	924	1,008

Half Weight. Ounces,	⅛	¾	1	1½	2	2½	3	4	6	8	10	12	14	16	18	20	22	24
Swedes Iron Tacks (all kinds except Gimp, Lace, Brush, Looking Glass), cents per dozen papers	85	95	105	115	125	135	150	165	185	205	225	260	295	330	365	400	440	480
Tinned Swedes Iron Tacks (all kinds except Gimp, Lace, Brush, Looking Glass), cents per dozen papers	135	145	155	165	175	185	200	220	240	260	295	340	385	430	480	535	590	645
Gimp and Lace Tacks, cents per dozen papers	155	165	175	190	205	220	240	260	285	310	340	375	415	460	515	570	630	705
Tinned Gimp and Lace Tacks, cents per dozen papers	205	215	225	240	255	270	290	315	340	365	410	455	505	560	630	705	780	870
American Cut Tacks (including Carpet), cents per dozen papers	...	...	95	105	115	125	135	145	155	165	175	205	235	265	295	325	355	385
Tinned American Cut Tacks (including Carpet), cents per dozen papers	...	...	...	...	...	...	185	195	210	225	250	285	330	375	420	465	510	555
Hungarian Nails, American Iron, cents per doz. papers	...	...	...	...	...	...	59	75	92	110	125	150	170	155	200	220	...	...

Quarter Weight. Ounces,	⅛	¾	1	1½	2	2½	3	4	6	8	10	12	14	16	18	20	22	24
American Cut Tacks (including Carpet), cents per dozen papers	...	...	55	60	65	70	75	80	85	90	95	110	125	140	155	170	185	200
Tinned American Cut Tacks (including Carpet), cents per dozen papers	...	..	...	...	...	...	100	105	110	120	130	150	170	190	215	240	265	290

In Bulk and In Pound Papers. Ounces,	⅛	¾	1	1½	2	2½	3	4	6	8	10	12	14	16	18	20	22	24
Swedes Iron Tacks (all kinds except Gimp, Lace, Brush, Looking Glass), cents per pound	320	275	229	183	153	132	115	98	80	62	58	56	54	52	52	52	53	52
Tinned Swedes Iron Tacks (all kinds except Gimp, Lace, Brush, Looking Glass), cents per pound	415	365	315	265	225	190	160	130	105	81	77	75	73	70	70	70	70	70
Gimp and Lace Tacks, cents per pound	...	...	446	321	255	223	193	164	126	95	87	79	77	74	74	74	74	74
Tinned Gimp and Lace Tacks, cents per pound	...	...	541	402	328	282	240	195	151	114	105	98	95	93	93	93	93	93
Copper and Brass Tacks, cents per pound	300	200	150	110	90	80	70	60	56	56	56	56	56	...	..	..	..	..
Copper and Brass Gimp Tacks, cents per pound	...	...	200	150	120	110	90	80	76	70	64	62	60	..	..	..	..	..
Leathered Carpet Tacks, cents per pound	...	...	...	...	...	...	...	84	67	59	55	50	.	..	.	..	..	..

Goods Sold by Length. Prices per pound, paper or dozen. Inch,	2/8	2½/8	3/8	3½/8	4/8	4½/8	5/8	5½/8	¾	⅞	1	1⅛	1¼	1⅜	1¾	2	2¼	2½
Finishing, Trunk and Clout Nails, in pound or bulk, cents per pound	...	...	53	48	39	34	32	29	27	24	23	23	23	23	23	23	...	...
Tinned Trunk and Clout Nails, in pound or bulk, cents per pound	...	...	76	64	52	48	45	42	40	37	36	36	36	36	36	36	. .	. .
Basket, Cigar Box and Chair Nails, in pound or bulk, cents per pound	...	...	66	56	46	40	38	35	33	30	28	26	...	...	...	...	...	...
Basket, Cigar Box and Chair Nails, Tinned, in pound or bulk, cents per pound	...	...	81	71	61	53	49	46	43	41	39	37	...	...	...	...	...	...
Copper and Brass Finishing and Cigar Box Nails, cents per pound	...	...	78	...	68	...	64	64	62	60	58	58	56	...	...	..	...	...
Copper and Brass Trunk and Clout Nails, pound or bulk, cents per pound	...	...	60	...	56	..	56	56	56	56	56	56	56	...	...	...	...	...
Common and Patent Brads, full weight, price per dozen, cents per dozen papers	140	...	170	...	190	...	200	...	230	250	280	315	350	510	630	680	...	...
Common and Patent Brads, half weight, price per dozen, cents per dozen papers	70	...	84	...	91	...	100	...	115	125	140	160	175	260	315	340	...	...
Common and Patent Brads, in pound papers or bulk, cents per pound	175	140	120	...	81	...	67	..	50	42	37	35	34	31	28	25	. .	...
Brush Tacks and Nails, in pound or bulk, cents per lb.	...	...	...	...	130	105	90	80	70	60	50	45	...	...	...	...	...	...
Brush Tacks, full weight, price per dozen, cents per dozen papers	...	...	...	...	390	400	410	415	420	430	440	470	...	...	...	...	...	...
Looking Glass Tacks, in pound papers or bulk, cents per pound	120	...	105	...	62	...	55	...	49	43	37	...	...	..	...	..	...	...
Looking Glass Tacks, full weight, price per dozen, cents per dozen papers	..	...	...	...	120	...	125	...	150	170	230	...	...	...	...	...	..	..
Picture Frame Points, in pound papers or bulk, cents per pound	. .	53	...	...	45	...	39	...	31	31	28	..	...	...	...	...	...	...
Hungarian Nails, in pound papers or bulk, American Iron, cents per pound	45	45	38	35	35	35	35	35	35	35	35	...	...	...	...	...	...	...
Hungarian Nails, in ⅛ pound papers, American Iron, cents per pound	47	47	40	37	37	37	37	37	37	37	37	...	...	...	..	. .	...	..
Hungarian Nails, in ¼ pound papers, American Iron, cents per pound	48	48	42	38	38	38	38	38	38	38	38	...	...	...	...	...	...	...
Hungarian Nails, in pound papers or bulk, Swedes Iron, cents per pound	53	53	47	43	43	43	43	43	43	43	43	...	...	...	...	...	...	..

Steel and Leathered Carpet Tacks.

Packed special uniform weights and by the count.

	Ounce.	4	6	8	10	12	14	16
Steel Carpet Tacks, 2 oz. papers	cts. per doz. papers.	.. 90	90	90	90	90	90	
" " 4 " ..	" "	.. 165	165	165	165	165	165	
Tinned Steel Carpet Tacks, 2 oz. papers	cts. per doz. papers,	.. 120	120	120	120	120	120	
Tinned Steel Carpet Tacks, 4 oz. papers	cts. per doz. papers,	.. 225	225	225	225	225	225	
Steel Carpet Tacks, 75 count	" "	45	47	50	53	56	..	..
" " 100 "	" "	47	50	56	62	67	..	..
" " 200 "	" "	95	100	112	124	135	..	..
" " 250 "	" "	100	112	124	135	145	..	..
" " 500 "	" "	200	224	248	270	290	..	..
Tinned Steel Carpt. Tacks, 75 count	" "	53	56	63	69	81		..
" " 100 "	" "	57	63	73	83	92	..	..
" " 200 "	" "	115	125	145	166	185	..	..
" " 250 "	" "	125	145	165	187	208	..	..
" " 500 "	" "	250	290	330	374	416	..	..
Leathered " 100 "	" "	40	44	47	50	54	57	60
" " " 144 "	" "	50	54	57	60	64	67	74

Steel Carpet Tacks.—(Packed in gross or one-half gross cases.)

	Per gross. Bright.	Tinned.		Per gross. Bright.	Tinned.
75 Tacks in Paper...	$5.90	$7.40	4 oz Min're Keg Tacks	$17.00	$22.50
100 " " ...	6 70	8.70	3½ " " "	16.00	20.50
200 " " ...	12.00	16.00	1 oz. Papers	5.90	7 40
250 " " ...	13.50	18.50	2 "	8.70	12.00
500 " " ...	20.00	30.00	4 "	15.00	20.50

Hungarian Nails, Dozened.

	1	1½	2	2¼	2½	2¾	3	6 pounds to a doz.
Round Heads	38	58	76	85	95	105	115	225 per dozen.
Shot Heads	42	67	85	95	105	115	120	240 "

List Discounts—Tacks, Brads and Nails—March 25, 1895.

Description.	Disc't.	Description.	Disc't.
Carpet Tacks.†		Swedes Iron Tacks.	
American	66⅔%	S.S	62½%
Steel	65⅔%	Lanc	57½%
Swedes, S.S	66⅔%	Upholsterer's Tacks.†	
" Lanc	62½%	S S	66⅔%
Leathered	33⅓%	Lanc	62½%
Steel—gross, and ½ gross packages	66⅔%	Gimp Tacks.†	
American Cut Tacks†	62½%	S.S	66⅔%
		Lanc	62½%

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Description.	Disc't.
Lace Tacks.†	
S.S	62½%
Lanc	57½%
Trimmer's Tacks.†	
S.S	55 %
Lanc	50 %
Looking Glass Tacks	33⅓%
Picture Frame Points	33⅓%
Basket Tacks	62½%
Berry Box Tacks	62½%
Trunk Tacks.†	
S.S	66⅔%
Lanc	62½%
Miners' Tacks, S.S	66⅔%
Bill Posters' and Railroad Tacks.†	
S.S	66⅔%
Lanc	62½%

Description.	Disc't.
Brush Tacks and Nails.	
S.S	55 %
Lanc	50 %
Hungarian Nails	57½%
Common and Patent Brads	50 %
Finishing Nails	57½%
Trunk Nails†	57½%
Clout Nails†	57½%
Basket Nails†	50 %
Chair Nails	45 %
Cigar Box Nails	45 %
Plymouth Rock Tacks	66⅔%
Miniature Keg Tacks	66⅔%
Copper Tacks	*
" Nails	*
Zinc Glazier's Points	*
Special Tacks and Nails	*

†Blued, Bright, Tinned or Coppered.

*On items where discount is not named quotations will be given on application.

Above discounts are for straight weight goods. Additional discounts will be given on Star ** weights of 5%; standard *** weights of 10&5%: and special *** weights of 10&10% beyond straight weight discounts. Freight will be prepaid, or the actual cost of delivery will be allowed on goods in quantities of 300 pounds or more to Boston, New York, Philadelphia, Baltimore, and to the principal points on or East of the Missouri River Any of above goods coppered, not specified, price the same as tinned. All our previous quotations are hereby withdrawn, and the above are subject to change without notice. ATLAS TACK CORPORATION, Boston, Mass., U. S. A.

Myers' Spray Pumps.

The subject of spraying fruit trees and small fruit, has been thoroughly discussed and written up in all its details and different phases, in fruit growing periodicals and agricultural journals, and every fruit growing State has its own experiment station, agricultural society or college, from which documents and bulletins are issued free to its residents on application, giving results of experiments, different formulæ for all kinds of insects and trees, in the most improved and scientific manner, containing complete information, describing the different insects, the formulæ to use and how and when to apply it, thus establishing the fact that spraying does pay, and is necessary to insure crops. F. E. Myers & Bro., Ashland, Ohio, are making a specialty of pumps for such purposes, and we take pleasure in illustrating three of the many styles, which they are offering to the trade.

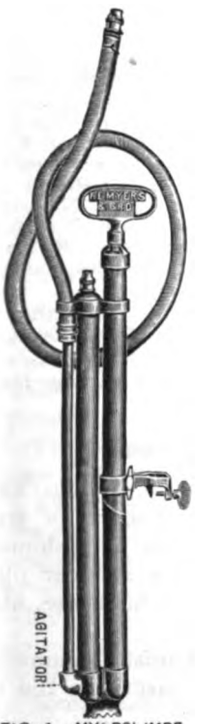


FIG. 1. MYERS' IMPERIAL BRASS SPRAY PUMP.

The first shown (Fig. 1) is known as the Myers Imperial Brass Spray Pump. It is compact, unusually strong, and of large capacity; has an adjustable fastener for any height or shape of pail; removable cap so buckets can be taken out without disarranging the pump; double leather buckets, ground brass valve seats and superior valves, and fitted with agitator and latest combination nozzle, fitted for sprayer or pipe extension.

Fig. 2 is the Myers Fountain Knapsack Spray Pump, which is constructed of the first quality of galvanized iron,



FIG. 2.—MYERS' FOUNTAIN KNAPSACK SPRAY PUMP.

with round corners, removable strainer and tight lid. It is fitted with adjustable straps so as to be carried on the back, or it can be carried by the bail as shown by the dotted lines. It is tapped at both right and left hand lower corners, and fitted with brass female ends, to which the hose is attached, either one or two strings of which may be used at one time. When one hose only is used, the other opening is closed with a metal plug furnished for that purpose. The hose and bulb are made of the best white rubber, and protected at each end by coiled wire, to prevent breaking. The valves are made of brass and will not corrode, and have large openings which permit the free flow of water, and shut off instantly when under pressure. The nozzle is made of brass, nickel-plated, has fifty small openings, and throws a spray six feet wide at a distance of twelve feet. The



FIG. 3.—BARREL SPRAY PUMP FITTED WITH EXTRA LARGE AIR CHAMBERS.

pump holds five gallons, and weighs fifty-two pounds when full.

The third (Fig. 3) is the Myers Barrel Spray Pump. It is constructed with base adapted to be fastened on sinks and platforms, so it can be used for a house force pump, in cisterns, shallow wells, or at any place where a neat, powerful force pump is required. When used for house purposes it is furnished with a discharge spout, elevated to the proper height. The cut shows the pump fitted with extra large air chamber. The cylinders, buckets, valves and valve seats are of brass.

The pumps have proven themselves, also, a decided success for whitewashing, the high pressure put on the fluid causing it to penetrate all unevennesses and crevices in the surface. Write to F. E. Myers & Bro., Ashland, Ohio, for their spray pump catalogue.

A telegram just received at the New York office of the Bissell Carpet Sweeper Co. reads: "Judge Severns has just handed in his decision in favor of the Bissell Carpet Sweeper Co." This refers to a suit brought by the Bissell Carpet Sweeper Co. against the Goshen Sweeper Co., of Grand Rapids, Mich., for infringement on their famous broom-action patent. The results, after a hard fight, are exceedingly gratifying to the Bissell Co.

The Withington & Cooley Mfg. Co., Jackson, Mich., have issued an attractive little circular illustrating and describing their potato and other hooks shown in a recent edition. They say that with these—"by hook and by crook"—corn is cut, clams are dug, manure is pulled, potatoes are dug, hops are cultivated, paper pulp is pulled, weeds are eradicated and crushed stone is handled.

E. De Forest Shelton has been appointed temporary receiver of the Franklin Brass & Bronze Co., No. 111 Chambers Street, New York, in a suit brought by the Ousatonic Water Co., judgment creditors for $700. The company was incorporated in April, 1893, with a capital stock of $30,000.

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The Supplee Hardware Co.'s Advance Step.

We are able in this issue to make an announcement that will prove of considerable interest to the trade, it being the consolidation of two of the large jobbing houses of Philadelphia.

A short time since William W. Supplee, president of the Supplee Hardware Co., in an address given at one of the banquets of a Hardware gathering, used as his text "In union there is strength."

It appears that his house are believers in this motto to such an extent that they have consolidated their interests with those of Buehler, Bonbright & Co., acquiring by purchase the entire stock of Hardware, cutlery, etc., of this house, together with their good-will, all trade marks, etc., etc., possession being taken on March 27.

The Supplee Hardware Co., by this movement, secure the services of the traveling force previously connected with Buehler, Bonbright & Co., securing the services of the office force and store force, which, together with their already large force in their own establishment, will place them in an excellent position to satisfactorily cater to the wants of the trade, possibly to even a better extent than they have done in the past.

The retiring firm of Buehler, Bonbright & Co. will be represented in the Supplee Hardware Co. by the election of James S. Bonbright, who has been head of the firm of Buehler, Bonbright & Co. for years past, to membership in the board of directors.

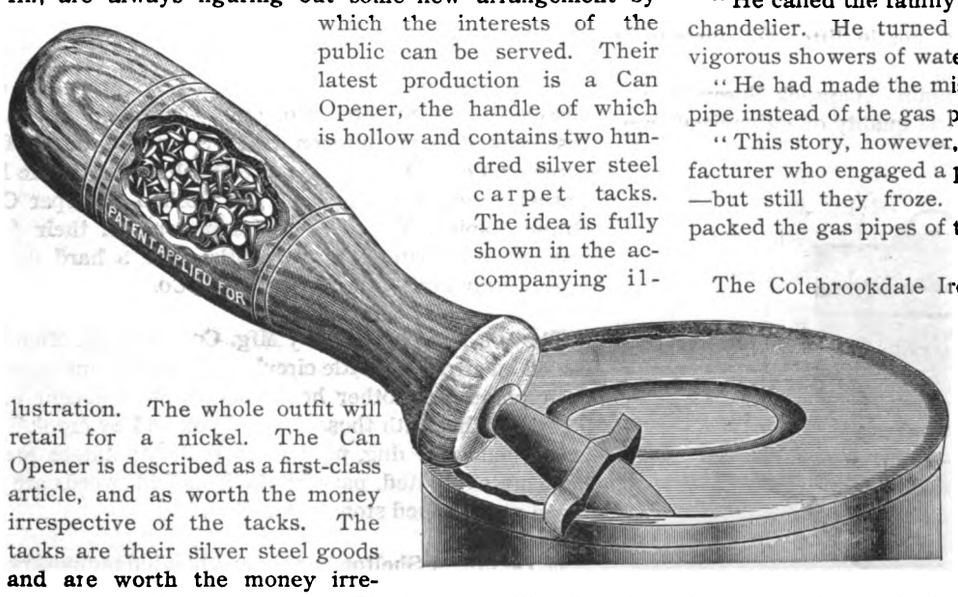
The Supplee Hardware Co. are possibly too well known to make necessary any words from us regarding their house. While laying claim to the youngest jobbing house in Philadelphia, they have, since their start in a small way, occupying only a portion of the building at No. 623 Market Street, so increased their business that for some years they have been not only recognized as a leading jobber in their city, but as one of the leading jobbers in the country.

The firm of Buehler, Bonbright & Co, date back to 1827, having been founded by Martin Buehler in that year, and afterwards known successively as Martin Buehler & Bro., Buehler, Howard & Co., and for the last twenty-seven years as Buehler, Bonbright & Co.

This consolidation strengthens an already strong house, and is a marked advance step of a practical business character.

Can Opener and Carpet Tacks.

The Grand Crossing Tack Co., Grand Crossing, Chicago, Ill., are always figuring out some new arrangement by which the interests of the public can be served. Their latest production is a Can Opener, the handle of which is hollow and contains two hundred silver steel carpet tacks. The idea is fully shown in the accompanying illustration. The whole outfit will retail for a nickel. The Can Opener is described as a first-class article, and as worth the money irrespective of the tacks. The tacks are their silver steel goods and are worth the money irrespective of the can opener. The jobbers will sell to the merchants for $4.00 per gross. They will be packed in hinge cover boxes, one-half gross in each box. The company already have assurances that their goods will prove first-class sellers.



Covert Mfg. Co.'s Specialties.

The Covert Mfg. Co., West Troy, N. Y., have issued, under date of January 1, 1895, the following list of specialties, upon each of which there is a discount of 45 per cent. There is an additional 2 per cent. for cash:

Breast Chains: Short Snaps, Giant, New Patent, Bull Leads.

Cattle Ties: Jute, Snap and Thimble No. 524; Jute, No. 524 XX; Cotton; Jute, O.K. Hemp.

Chains: Breeching, Halter, Heel, Post, Rein, Stallion, End Irons, Cart Breech, Girth, Web.

Halters: Hemp, Rope; Jute, Jute 7-16, Web, Web Adjustable; Rope, Adjustable, Jute; Rope, Adjustable, Hemp; Rope, Adjustable, Sisal; Rope, Grazing, Manila; Rope, Grazing, Jute; Combination Adjustable.

Halter Leads: Hemp; Hemp No. 132, with Ring; Hemp No. 138, with Ring; Hemp 38, No. 532 and 533; Cotton.

Hammock Ropes: Jute, Manila.

Hitching Cords: Black, Braided; Hitching Post; White, Cotton.

Horse Ties: Jute, Two Snaps and Thimbles; Jute, One Snap and Thimble; Jute, No. 525 XX; Jute, One Snap and Thimble; Hemp; Hemp, One Snap and Thimble; Jute, O.K.; Web; Cotton Snap and Thimble; Cotton One and Thimble.

Irons: End Cart Breech.

Jack: Troy Patent Jack.

Lariat Tether: Manila, Jute, Picket Pins; Post, Hitching; Pants Stretcher, Rod Post Hitcher.

Snaps: Bull, Centre Breast Chain, Double; Harness Loop, old pattern; Trojan No. 20; Jockey No. 25; Lengthening, R. E., No. 38; Lengthening, R. E., No. 7; Martingale Loop; Open Eye, old pattern; Open Eye, Trojan; Open Eye, Giant; Round Eye, old pattern; Round Eye, Giant; Round Eye, Trojan No. 20; Round Eye, Jockey No. 25; Swivel Loop; Swivel Loop, No. 50, R. E.; Swivel Loop, No. 40, R. E.; Swivel Loop, No. 9, R. E.; Swivel Loops, Heavy, R. E., 1 inch; Snaps and Thimbles, Yankee Loop (Steel Spring); Yankee, R. E. (Steel Spring.)

Soldering Coppers, Soldering Irons, Stales (See Halter Leads), Strap Eyes, Safety Gate Hook, Thimbles, Tuck Loops, Weight Cord, Weight Hitching, Baling Irons, Boot Interfering.

See the Covert Mfg. Co.'s advertisement on page 101 of this issue.

Two English Yarns.

A gentleman who has recently returned from England, regales a HARDWARE reporter with these bits of trans-Atlantic trade gossip: "There was an Englishman who prided himself upon his ability as an amateur plumber. He decided to put gas connections into his house, and do it himself.

"He went to work with a great flourish; hammered, and soldered, and fitted away: and at last came the hour of final triumph.

"He called the family into the parlor, beneath the great chandelier. He turned the taps, with taper in hand—and vigorous showers of water gushed forth over them all.

"He had made the mistake of connecting with the water pipe instead of the gas pipes!

"This story, however, is matched by that of a manufacturer who engaged a plumber to pack all his water pipes—but still they froze. The able workman had simply packed the gas pipes of the establishment."

The Colebrookdale Iron Co., Pottstown, Pa., have purchased from N. R. Streeter & Co., Groton, N. Y., their line of Mrs. Potts' Cold Handle Sad Irons, No. 80 Troy Pattern Polishing Irons, and Pottstown Sad Irons. They have also purchased the machinery for the manufacture of the same, good will, etc.

Mr. Hebler, a Swiss army officer, has patented a new bullet, the penetrating qualities of which are said to be much greater and consequently more deadly than used in the celebrated Mauser or Lebel rifles.

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PRACTICAL TALKS TO HARDWAREMEN.

CARRIAGE AND HARNESS.

Since the intense strain is somewhat abated, under which the Hardwareman has been for the past two years, there is a strong tendency, owing to shrinkage in values, to increase the sales by the addition of new lines of goods. Naturally we hear principally of the successful ones, but there are sound teachings in failures.

In looking about for new lines to add, the merchant will make his selection, standing squarely on his knowledge of general conditions. Too many fail to consider, or attempt to study, these conditions. There is as much individuality in stores as there is in people, and as one person is better fitted for success in a particular field than another, so is a store in one locality more likely to meet with success in a new line than another store in a different locality. This may be illustrated by a review of the Carriage and Saddlery trades, with the object in view of pointing out the favorable and unfavorable conditions attending the addition of either.

In Ohio, a few years since, it was no uncommon sight to see long lines of carriages and buggies strung behind a team of horses on their way to the Ohio River, there to be loaded upon steamboats and shipped South.

At every cross-road there were carriage-shops busy all winter making, trimming and painting stock, in readiness for the spring rise in the river. In the towns, carriage and saddlery Hardware constituted, in value, at least half of the Hardwareman's stock. The carriage makers received good prices for their finished work; the merchant ran little risk in collecting his accounts, and the wholesaler in the East could sell and collect thousand-dollar orders with comparative ease.

The demand for finished work, brought into the field a new element: the Factory.

The owners of the small shops, accustomed for years to the existing conditions, could not realize a change possible, and struggled on in vain. The factories sold finished-work at what was cost to the cross-road shops, the owners of which, after losing nearly all they had, gave up, of necessity; either turning their shops into general repair shops, or becoming salesmen for the factories.

Some Hardware merchants, wiser than their fellows, took the hint conveyed in their first losses and immediately commenced reconstructing their business; instead of abusing the factories for the loss of their trade, they opened negotiations with them, trading their carriage cloth and trimmings for finished work, and turning their warehouses into repositories.

The history of the saddlery business parallels the carriage making industry. The saddlers in the towns had fewer and fewer demands for fine hand-made harness. The factories made "hand-made" harness also.

Again the town merchants added to their stock factory-made harness, reducing their stock of saddlery hardware to the minimum.

A certain firm, under energetic management, was pushing ahead, ever on the alert for new lines. They had heard of the success of a neighboring firm with their buggies and harness, and reasoned "if they can sell them why can't we?"

This neighboring firm was located in a large town with a good farming trade; their store was where the farmers congregated.

The first mentioned firm, on the contrary, were located in a city just large enough to throw them out of contact with the farmers, who, when wanting vehicles, went to the implement houses. This firm paid no attention to the study of conditions, and bought farm-wagons, buggies, carts, double and single harness; with commendable energy advertised on fences and sides of barns for ten miles out, even sending a man to drum up the farmers, but the farmers would not draw. Sales made to a few sly ones at nearly cost, failed in their purpose, and finally the vehicle and harness end of the business was abandoned.

Imitation, is a bad substitute for penetration. Those who decide to adopt a plan another dealer found profitable, do not always meet with the success they think their follow-the-leader plan deserves.

SUGGESTIONS FOR WINDOW SIGNS.

The merchant's show windows are generally considered one of his best mediums for advertising, though his efforts are usually confined to the arrangement of goods for display. The height of the modern show window presents a large expanse of plate glass, which is generally neglected, although the glass affords splendid advertising space.

If any signs at all are used they are suspended as near as possible on a line with the range of vision. The judicious use of the top of the window may attract the attention of passers-by on the other side of the street; with this end in view the means used may be bolder than that intended for close inspection.

Presuming the reader to be familiar with the use of whiting-signs on the outside of the window, the following plans are suggested for use on the inside:

A strip of black screen wire about two feet wide, extending the width of the window, may be used as an invisible background in making a sign. Suppose it is desired to advertise weather strips, the shape of the letters may be outlined on the screen with white chalk, before the screen is hung, and may be about twelve inches high, using the word "Weather Strip" to form the letters, fastening to the screen with fine black wire. If a more striking effect is desired than that produced by the stained moulding it may be painted white. When the sign is completed it can be rolled up and carried to the window, where it should be suspended near the top and close to the glass. Wires running from the top of the window to the sign will prevent it from sagging.

Screen wire can also be used to advantage to divide a wide window into two parts, with the wire forming an invisible partition, hanging from the top and tacked to the bottom of the window. Upon this small, bright articles may be fastened, such as spoons, scissors, drill bits, etc.

To a person outside the window the screen is not noticeable, while the articles attached seem to hang in mid-air, having the advantage of being seen from both sides.

Very effective glass signs may be made by using a large light, 18x40 inches, pasting upon this four inch, white gummed letters. If painters' goods are being advertised the centre may be used for the wording and each end for a design, made by combining paint colors cut from a sample card.

These signs can be suspended by using brass jack chain of suitable size (No. 14) and in length the same as the width of the glass. To each end of chain fasten an "S" hook. The hooks will clasp the edges of the glass and hardly show from the front. With such a holder at each end of the glass the sign can be fastened to pieces of sash chain, hung from hooks in the ceiling of the window, but *close to the glass.*

Brushes, glued to the glass, make very ornamental designs, the neatest way to glue them on being to cut a piece of paper the width and length of the handles, glue this to the brush and then to the sign.

Circular pieces of glass may be used for signs, which should be at least two feet in diameter. They can be sus-

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pended by using three-quarter inch brass curtain rings, which, when pressed with a pair of plyers, will close in just the right shape and sufficiently tight to press the glass on each side; short pieces of jack chain connect the rings and the whole makes an ornamental margin to the sign. If the top of the window is square the round sign should be hung nearest the top, with the rectangular one a little below.

SHOP TALK.

One morning when, by mistake, we had arrived at the store ten minutes before the arrival of the boss with the keys the men were amusing themselves relating their experiences with various customers.

"Why is it," asked the Tool Man, "that so many people get 'twisted' with corkscrews and screwdrivers?"

"Nature of the tool," suggested the Cutlery Man.

"Whatever the reason," continued the Tool Man, "I have observed the almost universal confusion of a screwdriver and corkscrew. It is an everyday occurrence, with ladies as well as men, only a lady asks for a corkscrew and a man for a screwdriver, and then look at you so surprised."

"Or when they want a 'lid lifter," said the Stove Man, "nine people out of ten ask for a 'stove lifter.'"

"Did you ever notice," remarked the Cutlery Man, "how a man or a woman express themselves when at a loss for a name?"

"What's in a name anyway?" interrupted the Tool Man. "The woman who asked for 'clear' tacks got what she wanted as quickly as though she had asked for 'tinned' tacks. Such requests give opportunities for mental gymnastics, and thus relieve the lethargic tendencies incident to continuous routine work."

Without apparently observing the interruption the Cutlery Man continued:

"The other day a lady came rustling into the store; she was one of those nervous, bustling little women, and she wanted a pair of 'twinchers.' Noticing my blank look she said, 'You know, like this,' making a motion with her thumb and forefinger that at once suggested 'tweezers.' When a man wants an article he can't name he gets out a pencil, tears the back from an envelope and proceeds to give an 'idea.'"

"A lady gave me an idea," again remarked the Stove Man, "on selling gas stoves. While showing them to her she asked some question to which I confessed ignorance. To my surprise she said, 'Well, you may send me this one. I asked Mr. —— (naming a competitor) that question and he told me so much I did not know what to believe, but I *do* believe you.'" SHOP MAN.

The "Lu-Mi-Num" Catalogue.

The St. Louis Refrigerator & Wooden Gutter Co., Main Street and Park Avenue, St. Louis, Mo., stand pre-eminent as manufacturers of the "Lu-Mi-Num" bicycles. The company state, in a handsome catalogue just at hand, that "thousands of 'Lu-Mi-Num' bicyles are now in use in all parts of the country, giving the utmost of satisfaction to riders of all classes, and more thousands are wanted. Skeptics and doubters have become converts and enthusiasts, and the 'Lu-Mi-Num" has taken its place along with the ball-bearing and pneumatic tire as one of the great and essentially important improvements in the art of cycle manufacture, and perhaps the greatest step yet taken in the rapid evolution of improvement." They further state that "the metal used in the manufacture of these machines is a transformed aluminum, having the same relation to the aluminum of commerce that steel has to iron. Any one at all familiar with metals will see the force of this comparison at a glance. Iron is a natural metal produced from ore. Steel is iron transformed by mechanical and chemical processes into a new and artificial metal, possessing new and more valuable qualities, and also retaining all the best qualities of iron; but in the process of transformation these qualities are so greatly improved as to render the relationship of the two metals scarcely distinguishable, except from the fact that they are both the product of the same original ore. Steel is merely improved iron, and 'Lu-Mi-Num' is merely improved aluminum. Aluminum in its common forms or with its common alloys—in other words, the aluminum of commerce—is not at all suited for use in cycles. The metal aluminum has many characteristics peculiar to itself, and is thoroughly well suited for many purposes; but it is wholly lacking in the necessary life, resilience, stiffness, hardness or strength required in the parts of a bicycle. The more a person knows of aluminum the less likely he is to believe in our claims. One who is informed regarding the metal knows that endless labor and money have been expended in endeavors to construct bicycles from aluminum, and that the results have been failure. Therefore, when he reads that we have an aluminum bicycle, claimed to be far stronger than steel, he shakes his head and says either 'fools' or 'liars.' On the other hand, the man who knows really nothing of the metal is ready to believe the most sweeping fairy stories, and is wholly apt to expect altogether too much. He cannot see why we do not build a roadster at ten pounds weight or a racer at five pounds. The point on which we wish to inform the public most clearly and definitely is that the metal we use is not used or known by any one else. Our metal is an alloy consisting of about 96 per cent, purest refined aluminum, and about 4 per cent. of other substances, the whole combined and treated by an entirely new process, both chemical and mechanical. The result is a metal which is, bulk for bulk, about the same strength as the best wrought iron, and only one-third as heavy. Weight for weight, our metal shows about double the strength of any steel which can be made up into cycle tubing and brazed together, and it actually shows a higher tensile strength and modulus of elasticity, weight for weight, than any steel."

The catalogue they have just issued is a handsome and instructive work, thoroughly illustrated, and will be sent on application.

The Humber This Year.

Humber prices are attracting attention this year. Now that the standard bearers of Beeston have organized a branch in this country, genuine Humbers can be purchased at prices lower than ever before, but the firm still has the unique distinction of making a wheel at $100. Their Roadster, a 21 pound wheel, at $110, is the lowest priced article in their catalogue, and, further than this, they wish it to be emphatically understood that there is no deviation from their list figures. "Humber prices when set are fixed for the season," say the firm, "and they are as immutable as the laws of the Medes and Persians. We pride ourselves on giving value for value, and a Humber at $110 is full value,—one hundred and ten dollars' worth. All discounts were deducted before fixing the list price, and a cyclist in buying this wheel is getting much more for his money than if he purchased one of the class listed far in excess of its value in order that buyers may be enticed by a show of making discount."

E. J. Hussey & Co., No. 80 John Street, New York, are circulating an attractive little booklet describing their line of store ladders. The bicycle stepladder is the latest addition to an already large line. It is described as "the best ladder with wheels or rollers. This ladder can be used in any store, and putting it up necessitates no changes or alterations. It has a firm foundation and does not hang, and is carried upon two wheels that run on a track." It is stated that the ladder is perfectly safe, being steadied at the top by hooks, and never tips or wiggles.

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The National Shoe & Leather Bank.

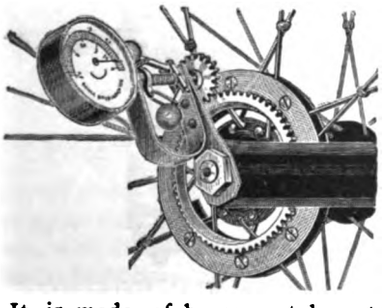
The long established and well-known National Shoe & Leather Bank, New York, is now in a better condition to serve the community, and especially the Hardware district in which it lies, than it was ever before in its honorable and successful career. Located at the corner of Broadway and Chambers Street, it is within the immediate reach of the Hardware interests, and is but a few doors from the Hardware Club, where that trade each day congregates.

Under the new management into whose hands the Bank has recently passed, it has been made stronger and better than ever before. Every doubtful asset has been elimivated from its accounts, and additional capital has been subscribed in an amount that more than makes this up. In the recent accession of the new officials, may be found the best possible guarantee of its future, John A. Hiltner succeeded the late George L. Pease as vice-president, and John I. Cole takes the responsible position of cashier. Francis B. Griffin, well-known as a prominent member of the Hardware trade, became a director. The most modern methods known to the banking world, for the safety of deposits, and investment of funds, have been provided. The bank is one of the oldest institutions of its kind in New York, and under the new management, its future is sure to more than equal its usefulness, success and high reputation of the past. It will be conducted in accordance with the newest, safest, and most approved banking methods of the present day. Its deposits now amount to over $3,000,000.

John A. Hiltner, the new vice-president, was until lately the assistant cashier of the Fourth National Bank, with which he had been connected for six years. He is a native of Philadelphia, having been a member of the sugar firm of Perkins & Welsh, in that city, before his entry into the banking world of New York. He has had a wide mercantile experience, and is well posted in the up-to-date methods, which will be applied to the management of the National Shoe & Leather Bank. John I. Cole, the new cashier, is fully experienced in banking methods, having been for eleven years employed by the Fifth Avenue Bank. For the two years prior to his appointment in the Shoe & Leather Bank, he acted in the capacity of chief assistant to the National Bank Examiner. Francis B. Griffin, one of the new directors, is a member of the firm of C. E. Jennings & Co., of this city, and is well-known to the Hardware trade, The other directors are: William C. Horn, James G. Cannon, John A. Hiltner, John P. Hegeman, Theodore M. Ives, Joseph S. Stout, John M. Beach, Thomas Russell, Alonzo Sloate, John M. Crane and Haley Fisk.

A New Speed Indicator.

The illustration here shown is a Speed Indicator for bicycles and sulkies. It gives the speed from four minutes to one and one-half minutes. It is very sensitive, simple and accurate, and can be tested by anyone without special



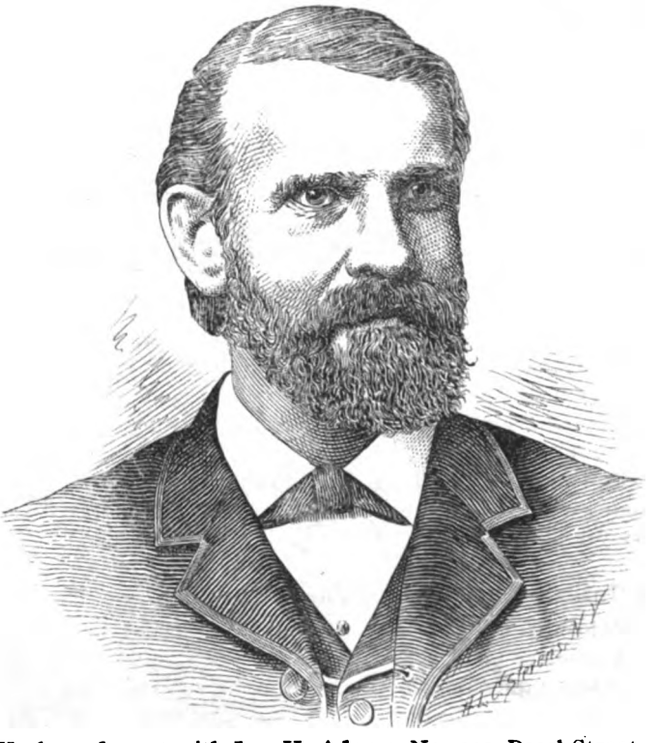
appliances. It is made of brass metal parts, the gears being fiberoid to render them noiseless. The American Indicator Co., of Lawrence, Mass., are the inventors and manufacturers, and will be pleased to send descriptive circulars on application.

HARDWAER "Prices Current" are reliable.

C. W. Dunlap: Fifty Years in Hardware.

A half century is a long period for the pursuit of one vocation, and C. W. Dunlap, of New York, is one of the few men who are permitted to point to a record of this character. In 1894 he completed his fiftieth year as an active Hardwareman; and may still be found in active labor at his headquarters, No. 88 Chambers Street.

Mr. Dunlap was born in Hartford, Conn., in 1830, and in 1844, when a boy of fourteen, he entered the Hardware store of John S. Gray & Co., in Hartford, where he remained for three years. He then came to New York, and found employment in the house of Wolf & Bishop, on the corner of Gold Street and Maiden Lane. In 1851 he purchased the stock of a retail Hardware dealer on Fulton street, Brooklyn, and went into business on his own account. He continued there for three years, and in 1855 he went to Milwaukee, Wis., having made arrangements with the firm of Colgatt Bros., a Hardware jobbing concern. The climate not suiting his constitution, he returned to New



York, and went with Jos. H. Adams, No. 242 Pearl Street. The firm was afterwards known as Adams & Coombs. In 1858 he left this concern and engaged in the Hardware commission business with his brother-in-law, Henry Burtis, under the name of Burtis & Dunlap. The firm was succeeded by Dunlap & Mead. Soon after this he went to Binghamton, N. Y., and was for a short time with ex-Lieutenant Governor Jones, interested in the manufacture of scales, and now for nearly thirty years he has been engaged in the manufacture of kitchen Hardware and garden tools, at his present location, No. 88 Chambers Street.

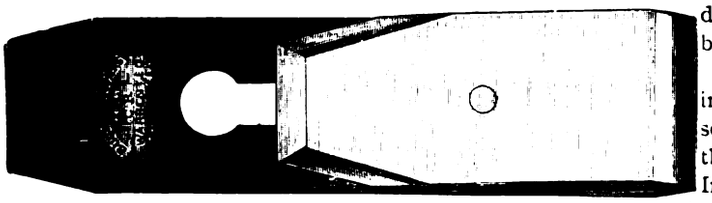
Death of George H. Sickels.

George H. Sickels, of Albion, N. Y., brother of Robert Sickels, of Sickels, Sweet & Lyon, who recently died at Albion, N. Y., was at one time connected with the Hardware trade. He furnished the capital for the Hardware firm of T. Clay & Co., Davenport, Iowa. This firm was succeeded in 1863 by Sickels & Preston, Geo. H. Sickels retiring, Mr. Sickels, now of New York, buying his interest. The Davenport firm continues as Sickels, Preston & Nutting Co. Mr. Sickels spent most of his life in Albion, though at one time he was connected with a large paint and oil company in Chicago. He was of a kindly disposition, and made many friends, and was greatly loved and respected by all who knew him. As a mark of respect to his memory, all the business houses in Albion closed on the day of the funeral.

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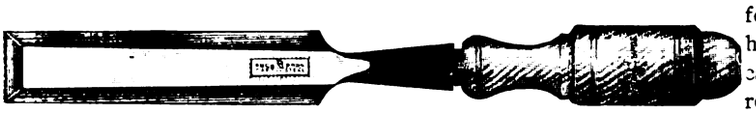
Buck Bros.' Iron Planes and Chisels.

Owing to the general use of Iron Planes, there seems to be in the minds of some an idea that Wood Planes are going out of use. Buck Bros., Millbury, Mass., inform us that the demand for the old English pattern Cut and Double Irons of their manufacture still keeps up, and they believe there will always be a use for wood planes on many kinds of work. Their Irons are made in all the sizes of Cut,



Double and Plane, the same pattern as the English, and are warranted equal to the best imported iron.

Chisels with beveled edges have become very common in the market the past few years, and to many the knowledge of such Chisels is of comparative recent date. Buck Bros. have made Beveled Edge Chisels for many years, and at the Centennial Exposition in Philadelphia in 1876, their Beveled Edge Chisels, with other tools, were awarded a prize. There is considerable difference in the bevels put

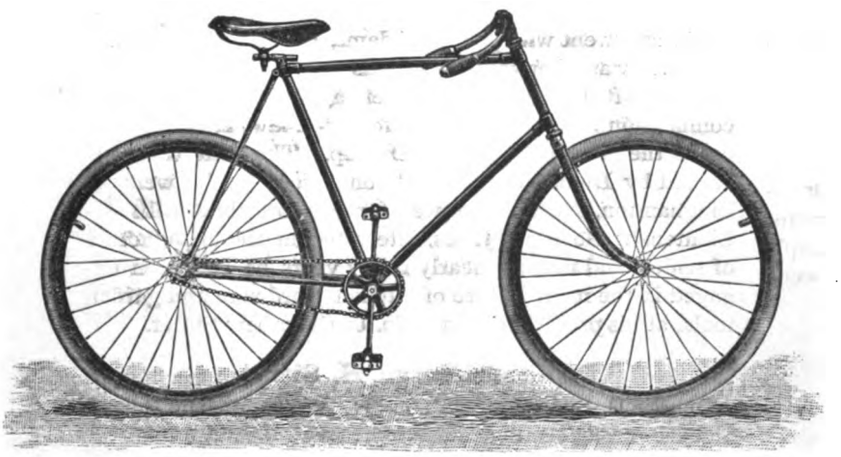


on Chisels by the various manufacturers. The bevels on the edges of Buck Bros.' Chisels are wide and deep, entailing hard manual labor, as they are entirely hand work and especially trying to the wrists of the grinder, and great care must be exercised that the temper is not drawn when beveling the thin edges.

The tools made by Buck Bros. are known by the Buck's Head stamped upon them, and have been known for more than forty years for their fine cutting qualities.

McIntosh-Huntington Wheels for 1895.

The McIntosh-Huntington Co., Cleveland, O., first interested themselves in bicycles about five years ago. At that time it was a question whether or not the sale of the



bicycle belonged to the Hardware trade—a question that has since been demonstrated to the entire satisfaction of every one, and in a manner well-known to all our readers. After deciding to institute a bicycle department, a new difficulty arose, and that was the selection of a suitable name for their leading machine. The name "Sunol" was finally decided upon, in honor of the great race horse which at that time led all others. From this fact was developed their motto, "The Sunol Leads," which has been so prominent a phrase in the company's advertising, which has been so extensive that every one is familiar with it. At first the sale of the "Sunol" was limited, as is the case with all strictly new machines. Perseverence, however, and a fixed purpose of furnishing dealers with a bicycle upon which no expense had been spared, in order to make it strictly first-class, finally overcame the keen competition, and in the second year they found that their bicycle department had assumed such proportions that it could no longer be handled as a line of goods in the general Hardware trade, but must be separated. This they therefore did, and set aside for the purpose two entire floors of their building—one for a salesroom and another for stock.

Since then the department has steadily grown in size and importance, until to-day the number of wheels sold each season is very large indeed. We have told in a few words the experience of one of the leading houses of the country. In the illustration the No. 8 1895 model is shown. The McIntosh-Huntington Co. have just issued their catalogue, which tells all about it, and notice of which may be found elsewhere in this issue. Interested parties will do well to send for and study it carefully before deciding upon their 1895 line. The catalogue also describes their line of other high-grade machines, and also medium grades.

Goodell's No. 6 Breast Drill.

The H. H. Mayhew Co., Shelburne Falls, Mass., are offering to the trade Goodell's No. 6 Breast Drill which is herewith illustrated. The chuck is three-jawed and has a capacity from 0 to ½ inch. It is double geared, one gear remaining "idle" and acting as an anti-friction bearing when the other is at work. All gears have cut teeth. It has two speeds and can be changed from fast to slow by turning the thumb-screw at "A" until the letter representing desired speed is nearest the chuck. The breastplate is adjustable and its position can be changed if desired. The makers state that it "is by far the most complete tool of the kind on the market." Price, per dozen, $48. Each drill packed in a wooden box. Those who know the high char-



acter of the goods made by the H. H. Mayhew Co., need not be told that any guarantee as to quality, etc., given by them, will be carried out to the letter.

The Standard Axe & Tool Works, Ridgway, Pa., have put on an increased force, to turn out axes to the full capacity of their new plant. This is a healthful indication that the good times are close at hand.

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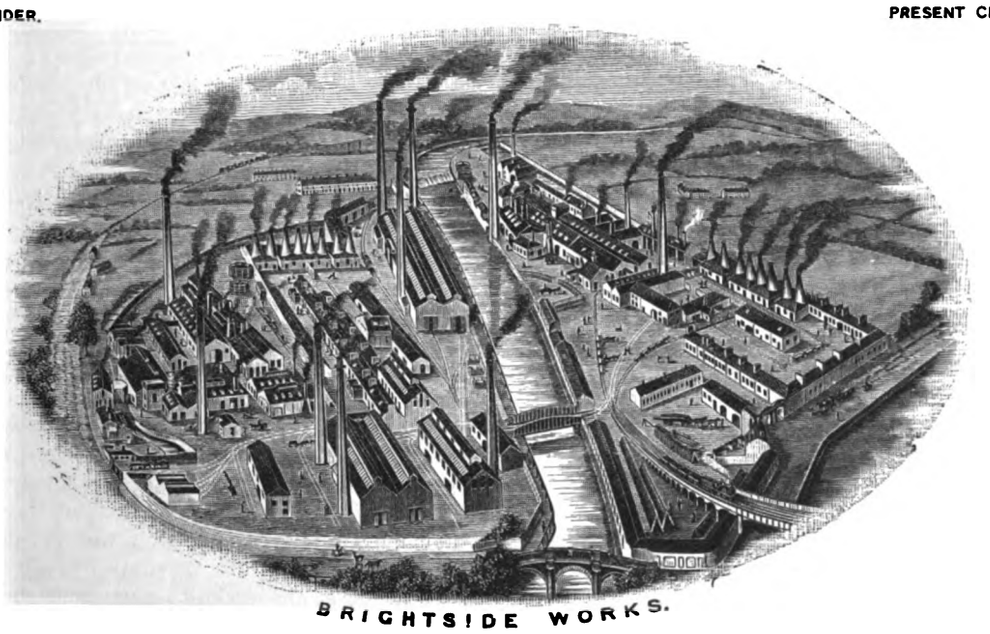
THOMAS JESSOP,
LATE CHAIRMAN.



WILLIAM JESSOP,
FOUNDER.



WILLIAM JESSOP,
PRESENT CHAIRMAN.



BRIGHTSIDE WORKS.

Jessop's Steel.

Above is a view of William Jessop & Sons, Ltd. Brightside Steel Works, Sheffield, England, with portraits of three generations of the Jessop family who have controlled the business since it was founded in 1793. The quality and reputation of "Jessop's Steel" for tools, etc., is still unrivalled. The general manager of the American agencies is Mr. W. F. Wagner, and the principal warehouse in this country is at No. 91 John Street, New York City.

Price List National Saw Co.

The National Saw Co., with general offices at Newark, N. J., have under date of April 1st, 1895, issued their Price List of Saws, with discount sheet, which replaces all prices and quotations heretofore given. It is a handsome book of near two hundred pages, illustrating and describing every form, size and style of saw known to the ingenuity of man. The great variety may be understood when it is remembered that the company operate the works of Richardson Bros., Newark, N. J.; Wheeler, Madden & Clemson Mfg. Co., Middletown, N. Y.; Harvey W. Peace Co., Brooklyn, N. Y.; and Woodrough & McParlin, Cincinnati, O. The high character of their goods is too well-known to require mention upon that point. In addition to describing their great line of saws, the company also show many other articles made by them, among which may be mentioned slaw cutters, currier blades, turning webs, felloe webs, fay webs, butcher webs, billet webs, plastering and brick trowels, swages, butcher blades, saw screws, saw handles, cabinet scrapers, wall scrapers, butcher block scrapers, baker scrapers, mitre rods, etc., etc. About all that a Hardwareman needs to know on the saw question is found in this book, with a great deal of information upon other subjects besides.

B. D. Washburn, dealer in Hardware specialties, No. 149 Congress Street, Boston, makes elsewhere in this issue an announcement that should interest the trade. He has become so thoroughly interested in the real estate business that he offers to dispose of his Hardware line at a sacrifice. The great discounts upon these goods are announced upon page 115 of this issue, and are well worthy the attention of dealers,

The Atlas Tack Corporation, Boston and New York, have issued, under date of March 30, 1895, a Shoe-Finders' price-list of shoe nails, shoe tacks, etc.

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THE HARDWARE CENTRE OF NEW YORK.

In the olden days when a visiting Hardwareman desired to see the leading members of the trade, either for business or social purposes, he took a couple of days to it, and went up and down the streets of the Hardware district looking for numbers and signs, climbing stairways and riding in elevators, finding his men in when luck favored him and more often finding them out, and, in short, developing the muscles of his legs at the expense of his temper and peace of mind. This was the condition that confronted the Hardwareman from elsewhere prior to that pleasant June day in 1894 when the doors of the New York Hardware Club were thrown open to the trade.

In those dark ante-Club days the resident Hardwareman who felt in need of a lunch carried himself wearily to the nearest restaurant, crowded himself into a corner, ate as little as he could keep alive upon, and hurried back to his store or office in no very pleasant frame of mind. If it was necessary for him to call upon his neighbors in the business, he made the rounds of Chambers, Reade and Warren Streets, uncertain as to his finding the parties for whom he was in search.

All this has been changed. When the Hardware visitor comes to New York, about the first place he seeks is the corner of Broadway and Murray Street, where the magnificent Postal Telegraph Building looks down upon lower New York, and within which he finds a temporary home in the rooms of the Hardware Club, introduced by the word or card of some friend, if he does not happen as yet to be a non-resident member of that great organization.

And it is to this same common center that the resident Hardwareman hies himself at the lunch hour, sure of accommodations, food and service of the best kind; sure of meeting the visitors from out of town, and, above all, most certain of greeting his neighbors in the trade of New York. It would be impossible to mention the amount of important business that is transacted within those club rooms each day.

No wonder, therefore, that we call the Postal Telegraph Building on Broadway and Murray Street "The Hardware Center of New York."

The location is convenient to the trade; the club has had much to do in making it permanently the center, and the building in which the club is housed is certainly one which any organization or any trade might feel proud to call its home.

On the page opposite we give a view of the building, the top floor of which, as will be seen from the lettering, is occupied by the Hardware Club. Two express and several way elevators carry the visitors to the club rooms, the way elevators being especially useful to club members who are located in the building, and their guests.

It is not surprising that there should be many members of the club housed within the building. Two causes lead logically to this result.

It was only natural that when this great and magnificent structure was thrown open for occupation many of the Hardware and allied trades should seek their homes within it, that they might be near the club and within immediate reach of the many out-of-town Hardware and metal men who were sure to visit it daily. On the other hand, those who were tenants of the building, even though not of those trades, naturally sought membership in the club because of its convenience. It is therefore but natural that the elevators are constantly carrying visitors between the club room and the offices down below.

A glance at the bulletin boards in the lower corridor shows that many of the trades above named have followed the natural business instincts to be near the club, some of the leading members thereof being as follows:

American Axe & Tool Co.
Home Rubber Co.
Middlesex Rubber Co.
Empire Brass & Metal Works.
Pittsburg Wire Co.
American Forcite Powder Mfg. Co.
Sterling Steel Co.
Imperial Electric Lamp Co.
Eaton, Cole & Burnham (Iron).
Geo. J. Crossman (Hardware agent).
Pohli Air Lift Pump Co,
Ship Copper Plating Co.
St. Louis Register Co.
Bridgeport Brass Co.
Bundy Mfg. Co.
Bordeaux Dynamo Brush Co.

Fortune favored the Hardware Club in the selection of a permanent home. The governors of that organization were looking about for a location: and, although many were suggested to them, it was deemed that patience was the better part of wisdom, and that no step should be taken until the right one was possible.

At the right moment, there came the knowledge that a great building suitable as to location, size, elegance of finish, and character, was to be constructed on the corner of Broadway and Murray Street, where both rivers, the City Hall Park, and all lower New York, could be overlooked. The fact that the Postal Telegraph Cable Company was to erect it, was a guarantee that everything would be first-class; and when the plans were examined, and the fact learned that the officers of the company were not only willing to make good terms to the club, but also to fit the floor up just as the club desired, the negotiations proceeded rapidly, and long before the building was completed, the New York Hardware Club was set down as a tenant for ten years.

A glance at the opposite page will show just what the Postal Telegraph Building is. It has a frontage of 70 feet on Broadway, and 156 feet on Murray; with an L in the rear measuring 50 by 30 feet. It is fourteen stories high, the top floor being occupied by the Hardware Club. The frame is of steel; and the walls of Indiana limestone to the fifth story, gray brick being used above this, with appropriate trimmings. The interior is in keeping with the exterior, and is handsomely finished throughout, the woodwork being of birch. The floors are of cement tiles.

On the ground floor, with entrance from both streets, are found the receiving and delivery offices of the company—and more elegant entrances and offices cannot be found upon the continent. The finishes are in marble, and the great staircase, in material of the same sort, is in an artistic sense, one of the most attractive that can be anywhere seen. In all the floors, whether fitted up for the use of tenants or telegraphic purposes, nothing has been omitted to add to comfort, convenience, light, air, warmth and service—in short, an ideal office building of the modern type.

The officers of the Postal Company, many of whom are members of the Hardware Club, have shown their desire to aid the club in all possible ways. This same good will extends to the trade generally. Tenants who have found homes within this great building speak of its comforts and convenience in the highest possible terms.

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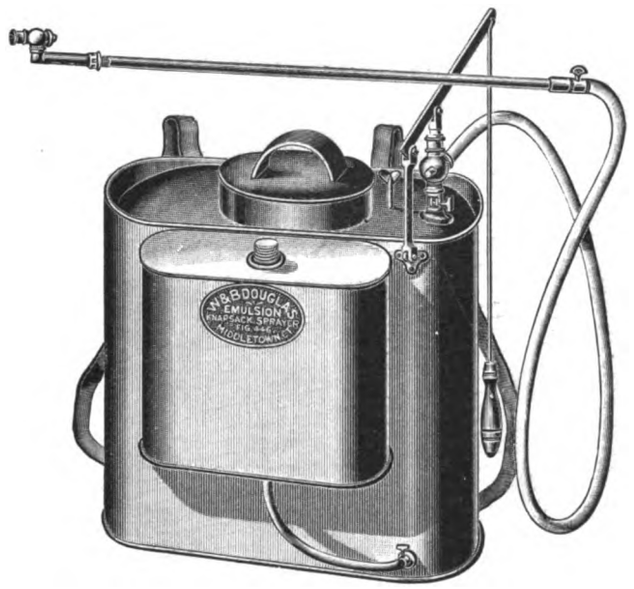


POSTAL TELEGRAPH BUILDING: THE CENTRE OF THE NEW YORK HARDWARE TRADE.

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Douglas Emulsion Knapsack Sprayer.

The illustration here shown is of the latest (1895) Knapsack Spraying device of the W. & B. Douglas Co., Middletown, Conn., and Nos. 85 and 87 John Street, New York city, and No. 197 Lake Street, Chicago. It has for its object the mechanical mixture of kerosene and water or any two liquids desirable to use. The kerosene is placed in the small tank holding 1¼ gallons, which is attached to the main reservoir by two clips at the side near the top. A quarter-inch hose connects the kerosene tank with a brass pipe connecting with the cylinder of the pump just below the ball valves. A stop cock is provided to regulate the flow of kerosene. The flow of water is regulated from the thumbscrew at the top of the tank. The kerosene tank is readily detachable from the main reservoir, making sprayer as convenient as the ordinary style, where mixture of liquids is not desired. "The home manufacture of kerosene emulsion has not been generally successful. The Missouri Agricultural Station says experiments with this invention show that kerosene and water are so thoroughly mixed in the act of pumping that the kerosene is as harmless to



foliage as in a prepared emulsion of the same strength, and the Delaware Station recommends the Emulsion as the most efficient machine for the use of ammoniacal carbonate of copper."

Price, complete as shown in cut (copper tanks), $20. Liberal discount to the trade.

The Douglas Co. make a full line of barrel and hand-spraying pumps, and every up-to-date agricultural and Hardware house should have their special catalogue and hints on spraying.

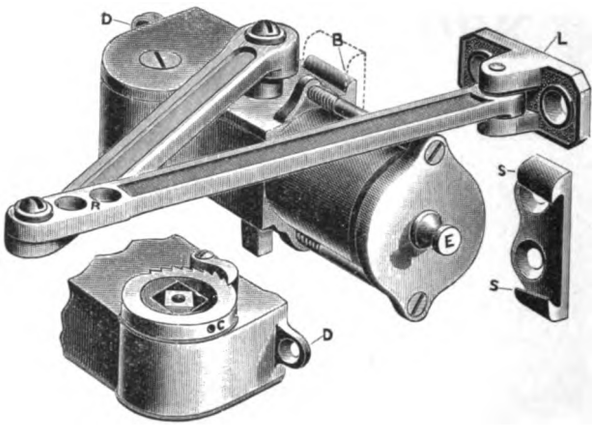
Royal Door Spring and Check.

The illustration here given shows the Royal Door Spring and Check, manufactured by John Toler, Sons & Co., Newark, N. J., and for whom W. H. Quinn & Co., No. 103 Chambers Street, New York, are the sole agents. This is a new device for closing doors and checking them by compressed air, instead of liquids. The points of superiority claimed for these springs are as follows: "Easiest attachment; does not require a skilled mechanic to put them on; doors open easily; no liquids to freeze up or leak; easy adjustment, compact, strong, durable, and at a price much lower than any check in the market." The list and sizes are as follows:

No. 1, for light screen doors	$2 40
No. 2, for medium inside doors	3.30
No. 3, for vestibule or hall doors	4.30
No. 4, for large store or church doors	5.60
No. 5, for extra large doors	7.00

Discount, 40 and 10 per cent.

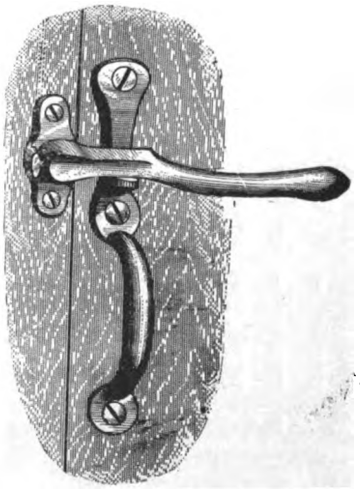
The following are the directions for attaching: "Place the shoe, S, in an upright position six inches from back of door and flush with the top, fasten securely, and slide the check into the shoe until the lugs, B, fit solid; then put in the end screw, D, and bring the arm, L, down to the tran-



som rail till it rests firmly; then put in the screws and the spring is ready for adjustment. In adjusting the spring the thumbscrew, E, regulates the air check. If the door slams, tighten it up; if it checks too soon, loosen it. It should check about three inches from the closing. If the spring is weak, increase the tension by turning up the ratchet wheel, C, one cog. Care should be taken that the spring is not made too strong. If the spring swings the door easily it is strong enough. Regulate the closing by the screw, E. In case that the transom rail has a raised molding, shorten the arm, R, by placing it into the next hole. Also in putting the arm on the pintle see that it is securely fastened and rigid. The checks are reversible for right or left-hand doors by simply changing the arms from one side of the pintle to the other." Attention is called to advertisement on page 113.

"Ideal" Refrigerator Fastener.

Brabson Bros., Newark, N. J., are placing upon the market the new "Ideal" Refrigerator Door Fastener here shown. It has a handle and wedge combined, suitable for right or left hand doors; is described as simple, durable, practical. They are packed in boxes of one dozen each, so that dealers can handle them in better shape than if shipped loose. They also make a line of hinges, for all



kinds of refrigerators, and will be pleased to send prices and descriptions upon application.

The Chamberlin Cartridge & Target Co., Cleveland, O., are distributing the price-list of their celebrated high-grade cartridges, Chamberlin nitro-powder cartridges, Walsrode powder cartridges, and the Blue Rock targets, traps and pulls.

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THE GREAT SPORTSMENS' EXPOSITION.

The week of May 13th to 18th will witness an event unprecedented in the history of sports in this country. The influence will be wide and far reaching, as the movement is receiving the hearty endorsement of the more educated and intelligent classes. The chance to see and learn about every branch of sport, will be unrivaled, and those who do not attend will miss the most interesting exhibition of its character ever held in this city. Every arrangement for the comfort of visitors has been made—reduced railroad fares, etc. The official catalogue is now being arranged, and it will present to the manufacturer and exhibitor a valuable means by which their specialties may be placed before the visitors and buyers. The Board of Trustees have shown an earnestness of purpose that deserves to be crowned with complete success.

TREASURER DRESSEL.

It is with pleasure that we here present the portraits of a couple of gentlemen who have worked early and late to make this Exposition a success. J. A. H. Dressel, the genial treasurer, is well fitted to fill that post. He is a native of New York City, born in 1853. He is well-known in business, military and Masonic circles, being prominent in all three. Mr. Dressel is the general agent of the Union Metallic Cartridge Co., and for the past fifteen years has been closely allied to the interests of Hartley & Graham. He is treasurer of the Interstate Manufacturers' & Dealers' Association and also chairman of the executive committee. His Masonic connections are numerous. He is a member of the Anglo-Saxon Lodge 137 of the F. and A. M., also of the York Chapter and Council. He is a thirty-second degree Mason, a Noble of the Mystic Shrine, a Knight Templar and belongs to all the Scottish rite bodies and Commandery, and is a member of the Aurora Grata Club of Brooklyn. Mr. Dressel's military career is so well known that it will only be repeating history to record it. He has served long enough in the Twenty-second Regiment and the Seventy-first Regiment of New York and the Thirteenth Regiment of Brooklyn to become a veteran in each. In 1887 he was commissioned a captain by the Governor of New York, and as a supernumerary is still on the rolls of the State militia. He has a cordial manner, a keen perception, and is a tireless worker.



J. A. H. DRESSEL, TREASURER.

SECRETARY WEBSTER.

Frederic S. Webster, the secretary of the Sportsmen's Exposition Association, is a man eminently fitted to hold such a position, both from his wide knowledge of natural history, and his close acquaintance with sportsmen generally. He is a keen sportsman himself; is forty-six years old, being born in 1849. In 1868 he found employment with the dry goods firm of William I. Peake & Co., New York. He remained with the company four years, and during the time he was employed there filled positions of trust, collecting for the house and acting as disbursing clerk to the numerous employees. At the end of four years his physician ordered him to take a rest on account of poor health. He took his gun and went to the woods, and here his love for natural history was aroused and he made it his life-study. He studied for eleven years at Rochester, N. Y., under Doctor Ward in Ward's Science Establishment. From Rochester he went to Washington, and became an expert in his profession, mounting many zoological groups for the National Museum. A year prior to the World's Fair his services were in great demand by the Bureau of Animal Industry, for whom he made a set of wax models showing all the diseases of the horse. These were exhibited at the World's Fair. In 1892 he returned to New York and embarked in his present business. Mr. Webster is a member of the Biological Society of Washington, D. C.; Rochester Academy of Science, Rochester, N. Y.; American Ornithologists Union, Society of American Taxidermists, associate member American Kennel Club, secretary Pointer Club of America, delegate of the Northwestern Beagle Club, formerly secretary of the Washington City Kennel Club, and one of the legislative officers of the American Kennel Club.



FREDERICK S. WEBSTER, SECRETARY.

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Hon. George M. Landers.

Hon. George M. Landers, vice-president of the Landers, Frary & Clark Co., who was well known as one of the leading manufacturers of New England, died of heart failure, at his residence in New Britain, Conn., on March 25th, at the age of eighty-two. His illness was brief, and it was only a few days before his death that he was a visitor in Hartford, where he met and greeted his old friends in the hopeful and felicitous way that had always characterized his visits. His death is regarded as a public loss throughout the State, which has long been the beneficiary of his public services.

Mr. Landers was born in Lenox, Mass., on February 22, 1813, the son of Marcellus and Marietta Hoyt Landers. His grandfather was Capt. Asahel Landers, who served in the Revolutionary army, and was with Gen. Anthony Wayne at the capture of Stony Point. His father was in the war of 1812. The boy was but seven years of age when the family removed from Lenox to Hartford, Conn., where the father became a teacher in the public schools. On the death of the father, in 1824, the lad returned to Lenox, and there resided until 1830. At the age of sixteen he commenced to



learn the trade of a carpenter and joiner. In 1840 he engaged in the manufacturing business with Josiah Dewey, and in 1853 organized the Landers & Smith corporation. In 1862 the firm of Frary, Carey & Co., of Meriden, was bought out, and the firm of Landers, Frary & Clark was organized for the manufacture of Hardware and cutlery. Table cutlery was added to the line of coat and hat hooks, etc., already made; the Aetna Works were built, and the business grew steadily. These works were destroyed by fire in 1874, but were immediately rebuilt on a larger scale. Mr. Landers, it is needless to say, was an active figure during these years of busy advance, and lived to see a great corporation, which now occupies so important a position in the Hardware and cutlery world, with its capital of $500,000, employing 600 men and more. When he retired from active labor in connection with the company, he had the satisfaction of knowing that in the hands of his son, Charles S. Landers, it would be held up to its present high standard, and kept in the foremost rank of the manufacturing world.

As a public man, Mr. Landers took deep interest in affairs, and held many positions of responsibility and trust. He was a staunch Democrat all through his life. He was first elected a member of the House of Representatives in 1851, and the last year of his service in that body was in 1874. It was in that year that he was advanced to higher fields of political service in Congress. He first became a member of the State Senate in 1853, and twenty years afterwards was elected for the third time as a member of that body from the First District.

Mr. Landers was first elected to Congress in 1875, and was re-elected from the First District in 1877. He represented his constituents with ability of a high business value, and his service was of decided importance. He carried into his Congressional career the same personal qualities that had characterized his public life in the State, and when he retired from Washington surroundings, he was esteemed and honored by his associates in Congress, by party opponents not less than by party friends.

Mr. Landers took a deep interest in local politics, and held many important offices. He was one of New Britain's first board of water commissioners; was also a member of the first board of sewer commissioners, and through his efforts the first sewer bonds were issued and several sewers constructed. He held the position of park commissioner in 1869, and in 1882 he was chairman of the committee that had charge of the erection of the present Normal School. For a number of years he held the position of director of the New Britain National Bank, resigning in 1878 to accept the office of bank commissioner. In 1887 he was again made a bank commissioner of the State, receiving the appointment from Governor Lounsbury.

He was one of the incorporators of the New Britain Institute, in which he always took a deep interest, and was also its first vice-president. Mr. Landers was also an incorporator of the New Britain Gas Light Co., holding the position of president of that company until the time of his death. He was also one of the incorporators of what is now the Berlin branch of the Consolidated road. He was for a number of years a director of the New York & New England Railroad. Mr. Landers was married to Catherine Pearl, of New Britain, in 1839. Mrs. Landers died several years ago.

Mr. Landers was one who attracted by his personality, and won the confidence of his business and public associates by his strength of mind, fairness, even temper, and geniality of character. He had the advantages of a robust frame, while a temperate life had kept his strength unabated, and his mind clear to the last hour of his life. He will be long remembered, not only by those who knew him best and loved him best, but also by the community for which he was able to do so much, and by that great body of manufacturers of New England among whom he so long and successfully labored.

W. W. Lawrence & Co.'s Paints.

W. W. Lawrence & Co., Pittsburgh, have opened a branch house in Buffalo, which move has been made necessary by the extension of their trade, and the increased popularity of their goods. They now possess exceptional facilities for the manufacture of high grade goods; and, differing from many houses, have no fancy names or trade marks on their goods, or, as they explain it: "We consider our own name the best trade-mark we can use. Our policy is to impress on buyers and consumers that when the name W. W. Lawrence & Co. is found on a keg of white lead, a barrel of linseed oil, or a can of color, paint, varnish or stain, that this is the best possible guarantee that the buyer and consumer can have that the goods contained therein are exactly what they should be, and what they purport to be."

The company are sending their friends a handsome card, ten by twelve inches in size, and printed in colors and silver. It is headed: "The Best Paint," and shows a can of the ready mixed Lawrence Paints. It is a handsome adornment to any store or shop into which it may find its way.

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ARE HARDWARE ASSOCIATIONS BENEFICIAL?

SOUTHERN HARDWARE JOBBERS' ASSOCIATION.

EDITOR HARDWARE: In reply to your question, "What benefits have accrued to the trade through our Association?" I will answer you briefly, as follows: At the time of the formation of our Association there existed (and still exists) what is known as the "Southern Railway and Steamship Association," which comprised all the railroads traversing the section of the South west of the Potomac, east of the Mississippi and south of the Ohio rivers. The classification governing the freight traffic of these roads was unsatisfactory, unequal and unjust. The discrimination against many articles in the Hardware line as compared with articles of like bulk, weight and value in other lines of merchandise was so marked that the idea was conceived of forming ourselves into an Association for the purpose of presenting our grievance to the Railroad Association, believing that "In union there is strength." And as we were paying more money for freights than any other branch of the commercial world, we might in this way get the relief that was justly due us.

At our first meeting a committee was appointed who took the matter diligently in hand, and after two years of hard work and careful watching were at last rewarded by a revision of classification, which, while not entirely satisfactory in every way, was such an improvement over the old classification as to give us a saving of many thousands every year.

In addition to this, many advantages have accrued by our coming together annually. We learn to know each other as friends, not as competitors. Many jobbers did not know their neighboring competitor even in their nearest city, and often when they met a competitor in their own town they would prefer to take the other side of the street.

Our annual meetings have done much to bring about a more agreeable condition, and teach us that our neighbor is just as honest as we, even if he does dare to sell Hardware; that while we have always accused him of being a fearful cut-throat, he was simply meeting our prices in order to remain in the procession.

Our meetings also give us the opportunity of exchanging ideas and methods of business, such as "employment and government of traveling salesmen," "terms upon which goods are sold," and many other items of vital importance to the trade generally.

At our last annual meeting in Richmond we were accorded the pleasure of meeting in friendly conference a large number of manufacturers and their representatives, which we regard as having been profitable as well as pleasant, as we think it highly essential that we should know the manufacturer, as this gives us confidence often in the goods he manufactures. Now as I have answered in a measure what we have done, I will state briefly what we *would like* to do.

There should unquestionably be some means devised by which the present haphazard condition of demoralization, general stagnation and ruinously low prices will be stopped. It is exceedingly unpleasant for a jobber at each annual stock-taking to find that his stock is the same in tonnage and 25 per cent. off in value, yet this has been the sad experience for the past two or three years. Of course a few articles may and should be charged to tariff tinkering, while others which are in no way affected by the tariff have suffered even worse.

The jobber is willing and anxious that the manufacturer should make money, as he is one of the principal foundation stones of the prosperity of this republic.

The retailer is willing that the jobber shall make a reasonable margin on his invested capital and cost of doing business. All he wants to know is that he buys his goods as cheap as his competitors. The consumer is willing to pay a reasonable price for his wares, provided he gets reasonable wages with which to make the purchase.

There seems to be a general willingness all around, yet all are living on short rations which are purchased from the savings of former years.

Now, what we would like to do is to devise means for the cessation of the present conditions and bring about harmony, thus insuring prosperity. It costs the jobber as much to sell screws bought at 87½ per cent. discount now as it did when bought at 75 per cent. discount two years ago, yet he has got to sell in order to get the same amount in profit either twice the quantity or at double the margin of profit, neither of which can possibly be done.

The present state of affairs cannot exist. What association or individual will be first to prescribe the remedy?

Yours very truly,

Knoxville, Tenn., April 2, 1895. W. P. SMITH, Secretary.

OHIO HARDWARE ASSOCIATION.

EDITOR HARDWARE: Your favor of March 27th has been received, and in the name of our Association I beg to thank you for the interest you are taking in the same.

Your wide-awake paper has done a great deal of good to the Hardware trade at large, and I believe benefited the retail trade more than the jobber, inasmuch as it has awakened him from the sleep of indifference to a sense of responsibility for the conditions of trade in his district; to a watchfulness for improved conditions; to the consciousness that he is an important link in the endless chain of trade and distribution of merchandise between manufacturer and consumer.

If this chain is broken or clogged, confusion is the inevitable consequence.

Our Association cannot stop competition, and it has no such purpose—indeed, such a purpose would be death to its existence.

But we want to make friends of our competitors, instead of looking upon them as bitter enemies.

We want to live and let live, and therefore are endeavoring to induce manufacturers and jobbers to stick to the legitimate channels of trade, rather than to continue the ruinous old method, to sell to the trade and their customers at the same time.

A few days ago I received a letter from one of our dealers in the State, asking me if there was not a possibility of stopping certain jobbers from interfering with their trade. They had sold to one of his customers among factories one or two Coe's genuine wrenches at 50 and 10 per cent., and, of course, wanted the same price from him, who was buying many goods from the same jobber.

This dealer certainly had just cause for complaint, and cases of a similar nature happen every day.

Manufacturers and jobbers who continue such practices must blame themselves if the Retail Dealer resents such treatment and stops trading with his own competitors. Our Association, through personal intercourse and correspondence, have a fine opportunity to learn and observe.

We recommend the formation of local associations for the purpose of stopping abuses and to a certain extent regulating prices, agreeing upon time of closing stores, etc. The constant changes in prices of such staples as nails, glass, etc., make it almost impossible to realize cost out of these items without some local understanding, which should never go beyond the small retail wants.

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Many towns have adopted this plan, and are reaping benefits from such local associations never before dreamed of.

Only the large cities seem to think that such ideas are only good for small towns, but soon will they learn from the cities of Philadelphia and Boston that they have missed their opportunities only too long.

When the manufacturers of carriage bolts last month threatened the adoption of a new list (of carriage bolts) very much lower than the present one, our Association joined with the jobbers of the country in protesting against such a list, and no doubt these pleadings counted with the manufacturers, for the dreaded list was not adopted.

What an opportunity for the Hardware dealers of the State, to be able by united action to present a front against abuses of any kind or poor legislation; by united action to plead for improvements in laws beneficial to their interests.

It will not be long before every dealer of the State will be a member of our Association, for those who have had the pleasure of attending our meetings in Columbus will spread the gospel of modern Hardware fellowship over the State, and Dayton will have to extend its hotel facilities to take care of the Hardwaremen who will there assemble next February to enjoy the Hardware meeting.

Yours very sincerely,

THEODORE BUTLER, Secretary.

Akron, O., March 29, 1895.

NEW ENGLAND HARDWARE DEALERS' ASSOCIATION.

EDITOR HARDWARE: You ask me under date of March 27th to reply to the following question: "What benefits have accrued to the trade through the New England Hardware Dealers' Association?"

If you had deferred asking this question for a year or two longer it is possible that I might then be able to answer it more in accordance with my wishes, but at present I shall be obliged to admit that thus far it has not, in my opinion, fulfilled the desires of its founders, or been of any very great practical advantage to any of its members. I regret very much to make this admission, as I am a firm believer in organizations of this nature; but if I am to say anything it must be the truth, and thus it appears to me at this time of writing.

The objects of this association, as stated in its constitution, are social intercourse and the discussion of all matters of interest to the Hardware trade.

Its social feature has been a great success from the start, as the meetings have always been well attended, and the members have thereby been able to get acquainted each with the other, and I think we have all formed a more favorable opinion of the bone and sinew of the Hardware trade than we had before we had been brought together in this Association.

The discussion of matters of interest to the trade has developed a wide difference of opinion in some cases and an unanimity in others, as might be expected, but has, on the whole, I think, had a tendency to enlarge our ideas and give us a somewhat more favorable opinion of the business in which we are engaged—viz., that of dealers in Hardware.

We have had a schedule of prices on a few leading articles, such as nails, lead, zinc, etc., that for a time worked satisfactorily and secured a better profit than formerly, but which, in consequence of outside and inside competition, we have for the present given up.

We have been fairly successful as regards numbers, as we include in our membership a representation from nearly, if not quite, every Boston firm, together with most of the dealers in the surrounding cities and towns, as well as quite a number from other parts of New England.

I presume that you, and probably your readers, will agree, from what I have written, that we are a pretty successful organization, and so from a certain standpoint we are; but—and this I think is the thing most needed to make an association of much practical benefit—we have not succeeded in establishing such confidential relations among the trade as we hoped for, and leads me to write as I have at the commencement of this article.

"In union there is strength," but "a house divided shall fall;" so I say that a union, an association of business men, will never be of any great benefit as such, until a feeling of confidence in and friendship for each other shall have so bound them together that they shall act as one man in the interest of all.

Perhaps this is expecting too much of human nature, but I can see that already something has been accomplished in this direction during the short period of our existence, and I sincerely trust that time will smooth all difficulties and that we shall be, as I feel that we can be, a fully successful organization.

I am very glad that you have started this subject for discussion, for, as you say, it is an important one, and I hope to see many other articles in the issue of HARDWARE referred to in your letter. Yours very truly,

HIRAM G. JANVRIN,

President New England Hardware Dealers' Association.

Boston, April 1, 1895.

WESTERN NEW ENGLAND IRON, STEEL & HARDWARE ASSOCIATION.

EDITOR HARDWARE: Replying to your favor of the 24th ult., asking "What benefits have accrued to the trade through this Association?" would say: In answering this question it may be a fancy of mine only, but to my mind the benefits derived from this Association are beyond dispute. First, the good fellowship and friendly feeling which now exist among its members have destroyed all the jealous feeling which heretofore existed. We now meet either at our regular meeting or in each others' offices to talk to each other as friends, and not as business enemies. We are not afraid to say to each other what this man or that man owes us, or what price we are getting for this article. Secondly, we have established a schedule of prices, and find that it is much better and more satisfactory to have a uniform price, and knowing that our competitor's price is the same as ours. By so doing, we can act more independently and get a profit out of certain lines of goods that have been used as leaders, and sold heretofore without any profit whatever. Then again, our salesmen on the road have a minimum price which they cannot deviate from, and are not subject to the misrepresentations which are often made to them by their customers in order to secure a lower price. As regards established or fixed prices by any Association, they must be made upon a low basis, otherwise they will be a temptation to give thirteen for a dozen or to cut prices in some other way. There are many ways to get around all these things, if one is so disposed. Thirdly, as to our Credit Bureau; too much cannot be said in its favor. It has saved the members of this Association a great many hundred dollars, which would have been lost, and each member is at all times posted as to the delinquent and unworthy debtors. The information we get from this bureau is valuable, and grows more and more so each year. An Association of this kind can be made a success if it is founded on the right basis, and will give the members a broader and more liberal view of things.

One other thing presents itself to me, and that is that an Association of this kind can work closer with the manufacturer, and get the manufacturer to make quantity price on standard goods or such goods as are used as leaders. It is only just that large buyers or those who will buy large quantities of any one article, should get a special price; to illustrate this, I will take the article of Horse Shoes; the dealer who buys ten kegs of horse shoes can buy them just as cheap as the man who buys ten thousand kegs. Is there any justice in that? There are many other things, equally unjust, which can be regulated by an Association which individuals cannot regulate. Concentrated action, loyalty to

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the Association and to each other, will create a friendly feeling amongst the members, and be productive of good results. Each one will try more and more to do by others as he would want to be done by.

Yours respectfully,
R. S. WOODRUFF,
Secretary.

New Haven, Conn., April 1st, 1895.

VAPOR STOVE MANUFACTURERS' ASSOCIATION.

EDITOR HARDWARE: Your inquiry is duly received, as to "What benefits have accrued to the trade through our Association?" In reply, would say the Vapor Stove Association is not a "Combine" or a "Trust," but is an Association of manufacturers of Vapor Stoves, holding many and fundamental patents on burners used in this class of stoves, being, however, similiar in the design and style.

Realizing the importance of placing upon the market a line of Gasoline Vapor Stoves that were in all respects absolutely safe, convenient in construction, and at a price that would come within the reach of the masses, we conceived the plan of organizing the "Vapor Stove Manufacturers' Association of the United States," which was done in 1884, and a design adopted for the different styles, kinds and sizes of the stoves, ranges, etc., we were to place upon the market, each manufacturer using his own burners and devices, for which he held patents.

This Association has since held regular semi-annual meetings to compare notes and recommend such changes and improvements as might be suggested by an Association of progressive manufacturers, and also to make any changes, either in the lists or discounts on these stoves, as the condition of the trade might suggest.

The Vapor Stove Association has been of immense benefit to the trade and to the consumer, on account of the combined mechanical skill and business judgment, and appreciating the importance of supplying these stoves at prices that were just, and within the reach of all, thereby securing the confidence of the trade, and is probably the only association of manufacturers that has ever been able to work successfully, which is only possible where the basis of such an organization is fundamental patents.

There can be no better evidence of the fact that this Association has worked to the interest of the trade and consumer, than the annual increase in the output of these stoves, which in 1884 was some thirty or forty thousand, while it has now reached nearly *four hundred thousand stoves* annually.

Respectfully yours,
D. A. DANGLER,
President.

Cleveland, Ohio, April 1st, 1895.

HARDWARE SOCIAL CLUB OF WESTERN MASSACHUSETTS.

EDITOR HARDWARE: Yours of the 29th received, and in reply would say that although the experience of our Association has been very limited, having organized less than a year ago, I think I voice the opinion of every member in saying that we have all been benefited, both socially and financially, during the short time we have been organized.

It has done away with all petty jealousies, and established a feeling of good-fellowship that is alone worth all the trouble and expense of conducting the business of the Association. We have been able to correct some abuses in regard to cutting prices on a few leading articles, and have also lately established a credit system on which we rely very much for our mutual protection.

All houses dealing in Hardware, iron, steel and agricultural implements in Western Massachusetts are eligible to membership in our Association, and although we have not extended our borders beyond the cities of Holyoke, Chicopee, Westfield and Springfield as yet, we are in hopes that others will soon see the benefits to be derived from our organization, and join us in our endeavor to correct those abuses which have not only reduced our profits, but have also deprived us of the genial society of our neighbors and competitors.

One feature we have adopted, which we consider of great value in bringing out the members to our monthly meetings, is a good supper at every meeting. It not only goes to prove the old saying that "The way to a man's heart is through his stomach," but it has also proved to be an important factor in our attendance, and our meetings are looked forward to not only for the benefits which may accrue to our business, but also from the fact that we are sure to enjoy a pleasant evening in finding out what good fellows our competitors are.

And now, Mr. Editor, trusting that I have not encroached on your space too much, I will close by saying that with what little experience we have had, we are all enthusiastic and firm believers in Hardware associations, if conducted on the right principles.

Very truly yours,
J. DOUGLAS LAW,
Secretary Hardware Social Club of Western Massachusetts.

Springfield, Mass., April 1, 1895.

HARDWARE MERCHANTS' AND MANUFACTURERS' ASSOCIATION OF PHILADELPHIA.

EDITOR HARDWARE: Replying to your query as to "What benefits have accrued to the trade through your Association?" as secretary-treasurer of the Hardware Merchants' & Manufacturers' Association I beg leave to say that nearly a decade ago some eighteen men, "good and true," that were engaged in the Hardware business in this city, conceived the idea of uniting themselves into an association for the advancement of their interests. It was a great deal like the lion and the lamb making common cause together, for, previous to the time named, a feeling very far from friendly had existed among many of these gentlemen; nothing was too bad for any one of them to believe of his neighbor. The fierce competition and rivalry in the open sea of trade

"Where man
Wrestles with man for some slight palnk, whose weight
Will bear but one,"

naturally breeds and fosters such a feeling as this.

The Hardware Merchants' & Manufacturers' Association was formed, and the beneficent results obtained from the union have been much greater than expected or even hoped for. Now, although the sharpness of competition is not a whit abated, instead of working against each other (and thus indirectly working against ourselves), our aim has been to labor for the betterment of the trade of which we are representatives, to correct in so far as possible its inherent abuses, and to resist in solid phalanx any new evil which threatens.

Aside altogether from what we have accomplished in this direction, aside from the innumerable measures we have planned and carried into effect, our Association has elevated the *morale* of the trade; it has swept away all narrowness of thought and made us more inter-dependent; it has opened our eyes to the fact that in "the milk of human kindness" there is a smaller percentage of *aqua pura* than one would naturally presume. Our membership, starting with a dozen and a half, has now passed the hundred mark and includes nearly every wholesale Hardware merchant and manufacturer in this city and vicinity. We have a system of our own in reporting customers who are unworthy of credit, and this alone is of incalculable service to us in avoiding customers, to sell to whom would mean a permanent investment of our capital. We will employ a salesman from a competing house only when we know that he is free from his contract and obligation to that house. The song that has been so often sung by traveling salesmen—sung in every possible key and with variations *ad fin.*—a song that would make "the hills," ancient as they are, seem young in point of antiquity, that some salesman from a rival house is offering their wares at certain low prices, which prices he had either to meet or lose the order, is often nailed at once

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as an incorrect statement by a brief friendly call on the rival house, our fellow-member.

After an active existence of nine years, I feel no hesitancy in saying that all our members are well satisfied with the results obtained. We make no combination on prices, or, in fact, on anything else, but simply trade as in honorable and friendly competition. Mutual confidence exists, and we are assured that when we are enabled to look back on our business career and note what has been done to make trade pleasant and profitable, the formation of the Hardware Merchants' & Manufacturers' Association will mark as one of the best features of the closing of the nineteenth century. T. James Fernley.

Philadelphia, April 3, 1895.

HEAVY HARDWARE JOBBERS' NATIONAL UNION.

Editor Hardware: In answer to yours of March 29th I send you a circular issued by the Heavy Hardware Jobbers' National Union, October 22, 1892. This answers your question: "What benefits have accrued to the trade through your Association?" better than I could do it personally. The members of this Association have realized many of the benefits referred to in the report of the committee. There has been but one meeting held since the date of the circular. The next meeting is to be held at Louisville, the 19th of this month, and it is expected this will be the largest ever held. Yours truly,

Chicago, Ill., April 2, 1895. S. D. Kimbark.

The circular to which Mr. Kimbark refers is as follows:

At the eleventh meeting of The Heavy Hardware Jobbers' National Union, held in Chicago, October 22, 1892, a committee was appointed to prepare for the benefit of those in interest, a brief statement showing the aim and object of the Association, as there seemed to have been same misapprehension regarding the same:

Chicago, October 22, 1892.

"After four years' experience we are satisfied that the Association has done a large amount of good, mainly in making the members better acquainted, and thus removing many of the jealousies and misunderstandings existing between jobbers located in competing territory. We have agreed to continue the Association, not for the purpose of controlling either the buying or selling price of goods, but for social and legitimate business purposes, and especially to be in a position to combat any evils that may arise in the management of our business, or what we consider wrong in the method of selling adopted by any manufacturers of goods we handle, and with this end in view, we invite all the jobbers in Iron and Heavy Hardware to join us."

J. J. Parkhurst,
Gaius Paddock,
George Deming,
} Committee.

STRONG ENDORSEMENT FROM SAMUEL A. BIGELOW.

Editor Hardware: Answering your question: "What benefits have accrued to the trade through your Association?" I must infer you expect an individual opinion, as I am not at present connected officially with the New England Iron & Hardware Association.

This Association was originally formed "to promote friendly business relations, confidence, and good will among its members."

There seems to be an unwritten law that a Hardware competitor must necessarily be an enemy, to be shunned or to be feared, but never met as a friend. This feeling has been born and nourished by our predecessors and is a legacy handed down to us, to pass on to our successors. These feelings, so deeply rooted in the past, are not easily banished. It requires time to bring the full results, and it was a pride and pleasure when our early labors resulted in our first monthly dinner. Meeting monthly for nearly two years, we know each other better, and are freer to discuss and adjust many abuses which before our organization would have been simply impossible. The old feelings are being gradually overcome, and many strong friendships have been formed. We are gradually becoming more united, and it has been possible to work together for our mutual benefit. Enthusiastic and inexperienced at first, we attempted too many radical reforms, some of which we were unable to carry out. Notwithstanding our failures in the past, we are encouraged to continue our good work, and look with bright hopes to the future.

The close application necessary to details in a Hardware business successfully conducted naturally gives the Hardware merchant but little time for recreation or for visiting his neighbors. His ways are his own ways, and he naturally thinks they are the best, and after a series of years spent in burrowing among price lists and racking his brains with discounts, he is inclined to become conceited and narrow minded. In fact, he begins to hate himself. The monthly dinners of the Association take him away from the tedious routine, and bring him in contact with others. He learns their ways and compares them with his own. He talks over his troubles with his competitors, and often finds he has been deceived and that he has been following a "will o' the wisp." He also finds that Hardwaremen have souls and big hearts, like other men, and that they are not deficient in the ability to enjoy life, and it will not be surprising if he becomes satisfied that a Hardwareman may be a jolly good fellow. All these revelations may come to nim, and he will return refreshed and with new interest in his work, and with new life, and with a feeling that he has been amply repaid for being dragged away from his daily routine.

At the last meeting of the New England Iron and Hardware Association they had among their guests a prominent and representative merchant from the South. He came a long way to bring greetings from the South to the North, and even his enthusiastic reception did not tell one-half we felt for him as a man and for the cause he represented, and no one present could help feeling the benefit that must come from Hardwaremen meeting together.

The enthusiasm of everyone who attended the first meeting of the National Hardware Association at Cleveland in December last illustrates the widespread feeling of the necessity of organization. Everyone seemed satisfied that local associations should be formed in every city, to care for local issues, and that the National Association should encourage and promote their formation; that the whole Hardware interest of the country should be united, not against manufacturers or against any individual interests, but for the correction of abuses and for the elevation of the Hardware trade to the high position to which it is entitled by the magnitude and the importance of the interest it represents. Samuel A. Bigelow.

Boston, April 6, 1895.

The Glidden Varnish Co., Cleveland, O., in their illustrated card upon page 86 of this issue, graphically show the feelings of the man who neglected his opportunities in the varnish line. Not content with mental torture, he rigged up a machine which in the illustration referred to applies the punishment where it will do the most good. It will bear studying; others may take lessons thereby and escape the pangs of future regrets. The company will supply the moral on application.

It is stated that an industry in which aluminum and aluminum bronze are bound to find their way is in the manufacture of wire screens. A screen of these metals is invulnerable to the attacks of mosquitoes and flies, and has the advantage of never rusting, so as to give the enemy a weak point to attack.

It is reported that the St. Louis Stamping Co. will soon move into a new plant at Granite City, Ill.

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Congratulation: Endorsement: Goodwill.

[*Continued from page 42.*]

NICHOLSON FILE COMPANY.

HARDWARE PUBLISHING CO: We send you our birthday greeting for your anniversary.

HARDWARE is a success—its five years' history has been a record of progress and improvement. We congratulate you upon what you have already achieved, and see in it an augury of most gratifying results for the future, with a long continued succession of pleasant birthdays. Accept our renewed good wishes, and believe us.

Very truly yours,
NICHOLSON FILE CO.
Sam'l M. Nicholson,
President.

Providence, R. I., April 3, 1895.

AUSABLE HORSE NAIL CO.

HARDWARE PUBLISHING CO: Referring to the coming anniversary of your paper, we think that we patronized it when it was an infant in arms. Even then it exerted an influence on the trade it designed to reach, unparalleled in the annals of trade journalism.

We congratulate you that the infant has grown to be a "lusty five-year-old" and that its *precocity* is so marked.

We value HARDWARE very highly as an advertising medium, and trust that it may soon emerge from childhood into the full strength of manhood. We are confident that this will be the result, and that each step of its adolescence will be marked by increased power and influence.

Please accept our best wishes for its continued prosperity.

Yours truly,
AUSABLE HORSE NAIL CO.
By A. Bussing,
President.

New York, April 3, 1895.

PUTNAM NAIL CO.

EDITOR HARDWARE: We have your announcement that HARDWARE will issue a birthday number in honor of its fifth anniversary, and we take great pleasure in congratulating you upon its success.

We have found it of use in disseminating truths in regard to the Putnam Hot Forged and Hammer Pointed Nail. It being devoted exclusively to Hardware, we notice that you have taken a great deal of time and pains to bring out new products and give them ample illustration.

Wishing you renewed success, we remain,

Truly yours,
PUTNAM NAIL CO.
W. W. WHITMARSH, Treas.

Boston, Mass., April 2, 1895.

SCHOVERLING, DALY & GALES.

HARDWARE: We desire to congratulate you on your approaching fifth birthday. Certainly you ought to be proud of the advance that you have made, the high position which you have taken in such a short time. We have every reason to be satisfied with our advertising in your paper, and we wish you many happy returns of the day.

Yours truly,
SCHOVERLING, DALY & GALES.

New York, April 3, 1895.

E. T. BARNUM.

EDITOR HARDWARE: We have found your paper a bright, up-to-date advertising medium, covering well topics of interest to the Hardware trade, and would heartily recommend it to those desiring to reach the largest number of dealers in that line.

Very respectfully,
E. T. BARNUM.

Detroit, Mich., April 4, 1895.

GILBERT & BENNETT MFG. CO.

EDITOR HARDWARE: We extend to HARDWARE our congratulations on its fifth anniversary. You have reason to be proud of its success, both as a journal of interest and usefulness to your readers, and as a profitable medium to the numerous advertisers. From the fact that our card has been constantly published in its columns from the first number, it must be concluded that we have found it a satisfactory medium. Wishing you continued prosperity, we are,

Yours truly,
THE GILBERT & BENNETT MFG. CO.

Chicago, Ill., April 2, 1895.

SARGENT & CO.

EDITOR HARDWARE: We did not expect that HARDWARE would reach more than one birthday. True, it cried lustily enough at birth, but we have known many other youngsters of similar names which never reached maturity; so we had a mental conviction that HARDWARE, like the others referred to, was born to die young. We were surprised when it pulled through its second year, but since then we have expected it to live, and we would now be disappointed if it should be anything else than a live trade journal, showing evidence of skill and enterprise, and deserving all the success which it has attained at its fifth birthday.

Yours very truly,
SARGENT & CO.
Ladd.

New York, April 4, 1895.

HENRY DISSTON & SONS.

HARDWARE: We think our opinion of HARDWARE is contained in the fact of our having carried an advertisement in your paper for a period of four years, and as our recent contract has expired, would request that you mail a new one in duplicate terms, rates and space same as in last agreement.

Yours truly,
HENRY DISSTON & SONS.
A. S. BUTTERWORTH.

Philadelphia, Pa, April 4, 1895

LANE BROTHERS.

EDITOR HARDWARE: With reference to HARDWARE it is, from the nature of our business, exceedingly difficult to trace up and ascertain from what source we receive most benefit as an advertising medium; but one thing we know—we *get the trade*, and have good reason to believe that HARDWARE has in the past been one of the best mediums for our large trade and the popularity of the Lane goods.

Truly yours,
LANE BROTHERS.

Poughkeepsie, N. Y., March 29, 1895.

BUCK BROTHERS.

PUBLISHERS HARDWARE: We appreciate the great value of your paper as an advertising medium, having very frequent applications for price lists from Hardware dealers throughout the country, who mention the fact of having seen our advertisement in HARDWARE.

Wishing you continued prosperity, we are,

Yours truly,
BUCK BROTHERS.

Millbury, Mass., March 29, 1895.

IDEAL MANUFACTURING CO.

HARDWARE PUBLISHING CO: We note that your fifth birthday is near at hand and that you propose to celebrate in a truly laudable manner by an extra sized issue, which must of a necessity do you lots of good as well as the advertisers that are with you. Although the Hardware trade is a field that has long been ploughed and planted, you have every reason to feel proud of the results attained in the past five years. While the Hardware trade is not exclusively for sporting goods, we feel that these people are realizing the value of entertaining our line, and we recognize your medium from time to time and have found it satisfactory.

Trusting that you may continue to prosper and that your shadow may never grow less, we are,

Yours respectfully,
IDEAL MFG. CO.
Dictated by J. H. Barlow.

New Haven, Conn., March 30, 1895.

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Reminiscent: The Iron Store of Yesterday.

Editor Hardware: How different the Iron Store of today is from that of thirty-five or forty years ago.

Did space permit the recital of changes that have taken place within that long period the younger members of the trade might think that fiction had been utilized to embellish the story; but the veterans will verify the few that I recall below, and some of them can doubtless add many interesting items in the same line.

In the fifties an Iron Store was what the name implies, and carried little besides, except steels, horseshoes and nails, some wagon and plow material and blacksmith tools.

Now, with the same sign up, it deals in such a variety of materials and tools that it is almost as variegated as a millinery store, and keeping track of the stock is a task almost as complex as the repairing of a watch would be to a street paver.

In the early days I speak of Hardware, and Iron Stores were not established in every little hamlet, as now; railroads did not reach every village, and a purchase of goods entailed, in many cases, long hauls in four and six-horse wagons; hence, when country customers wanted goods, they usually went for them, and when they found what they wanted were generally too well satisfied to kick about any little question of overcharge, drayage or packing.

Ah, those good old days, when Mahomet went to the mountain, and the latter stayed at home and saved the price of mileage tickets and hotel bills!

Then a set of wagon tires consisted of five bars of odd lengths, three of which had to be welded together, and then cut in two to make the hind wheel lengths. Strange that some one did not think until years after to have them cut into proper lengths at the mills. Not longer than twenty years ago I knew a blacksmith, not over middle age then, who, when an apprentice, aided by another boy, hammered old wagon axles down to sizes suitable for making horse and hinge nails, not twenty miles from this city.

Before the sixties the sale of English tool steel exceeded that of the American article about fifty to one. Now, in my judgment, the home steel leads by one hundred to one. In those days English files and rasps held this market. Now, except fag ends of old stocks, toothless with age, I doubt if a dozen could be found here with the aid of a search warrant.

Although machine-made horse nails, black and unpointed, were sold then, the hand-made nail was mostly used. Many hands were employed making them here and they sold at 28 cents per pound. They were very roughly made, and it took the shoer fully as long to finish and point as to drive them.

Sledges and hand hammers (Atwood's) of English make, were the only ones sold here for many years. They were made of iron and were steel faced and sold wholesale for about 13 cents and 16 cents respectively. What a contrast, both in price, quality and finish, between them and the finely finished steel American hammer of the day. Here is a copy of a bill I sold in 1864:

12 sets Buggy Wheels @	$12.50 per set
2 Doz. Prs. Rough Buggy Shafts @.. ...	12.50 per set
4 sets 1 inch XX Buggy Spokes @	3.75 per set

None but dealers in these goods realize the altitude of these figures now.

I have seen twenty dollars per ton paid for coal in this city in the fifties. In 1863 or 1864 I have known twenty dollars being paid for hauling a dray load of merchanise to the L. & N. R. R. depot here; the charge now is only fifty cents, and I have seen a half mile in length of teams, hauling to the depot at the former price. Contra, in the seventies, I have known a freight rate of thirteen cents to be offered on heavy casked Hardware, from Birmingham, England, to St. Louis, via New Orleans.

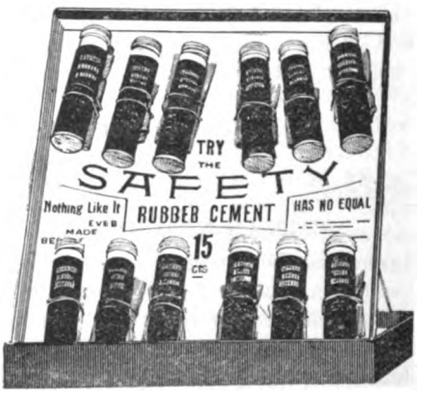
And what changes there have been in the ranks of those whose brains and industry have built up and kept in the front rank the Iron and Hardware trade of Louisville. Some have departed full of honors and years; the youths have reached middle age; the young men have become gray; stalwarth recruits have joined the ranks and promise to become worthy successors of the elder ones. May we not hope, that the younger participants in the struggle for precedence will keep in view the high standard of example set them by their predecessors, and that their success in life will be as marked.

I tender congratulations on your having reached the fifth milestone on your journey. May your trip for the balance of the journey be prosperous and pleasant, and may your stopping place at the end be all you could desire.

Louisville, Ky., April 6, 1895. Jno. J. Slattery.

Campbell's Cycle Cement.

Among the new things in Bicycle sundries that have won attention this season, must be prominently mentioned Campbell's Cycle Cement and repairing outfit. Although placed upon the market only three weeks ago, the demand has far exceeded the manufacturer's capacity. It is put up in neat counter display boxes, and is described as "an ornament to any counter, and sells itself on sight." It is added that the Cement is made by a new and superior method, and for it the makers claim the following advantages: "Easy to apply. Quick to dry. Sure to mend every time. Is especially adapted for bicycle tires, and at the same time a sure and quick cure for hot water bottles, rubber syringes, rubber coats and boots, that have become leaky. It is put in a tight screw-top can, thus preventing its leaking out, which is a great advantage to a person carrying it in a tool bag. The can, together with rubber patching and emery paper, is attached by a neat contrivance to the show box, and can be easily detached when sold." The outfit is manufactured by the Hugh Campbell Co., No. 45 Union Street, Boston, Mass., and is for sale by bicycle and Hardware dealers throughout the country. Prices and advertising matter will be mailed on application.



This card, which has just found its way into this office, is sufficiently explicit to explain itself: "We have money to burn, but we ain't going to burn it. Don't be despondent! Brace up and be a man. Look up your wants and send your orders to Troy Nickel Works, Troy, N. Y."

C. S. Van Wagoner, president of the Van Wagoner & Williams Hardware Co., was injured at the Cleveland works some days since by being struck in the leg by a flying piece of iron. While the wound is not dangerous, it is feared he will be confined to his bed for a week or two.

The Chicago plant of the Monarch Cycle Co. is running at full capacity. The company say that they have already disposed of as many wheels this year as they did for the whole season of '94. The output for this season is expected to nearly treble that of last season.

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IN THE HARDWARE BUSINESS SINCE 1816.

In his moving to and fro among the children of men—Hardwaremen—in search of divers bits of information, a HARDWARE reporter came upon the interesting fact that the business of White, Van Glahn & Co., Nos. 15 and 17 Chatham Square, New York, could be traced back to a beginning in the year 1816. This does not carry far enough back to make sure that they supplied Henry Hudson or Peter Stuyvesant with powder and pewter pots, but it carries them within hailing distance of the early Knickerbockers of New York.

A call was made upon the present head of the house, E. C. Van Glahn, who, although old enough to be a governor of the Hardware Club, does not date his birthday close to the year 1816. Mr. Van Glahn was willing to give all the information as to the early days within his power, but confessed that it would be but little, and came altogether from second and third hands.

As near as he could come to it, the business was established in 1816 under the firm name of L. & T. Seymour,

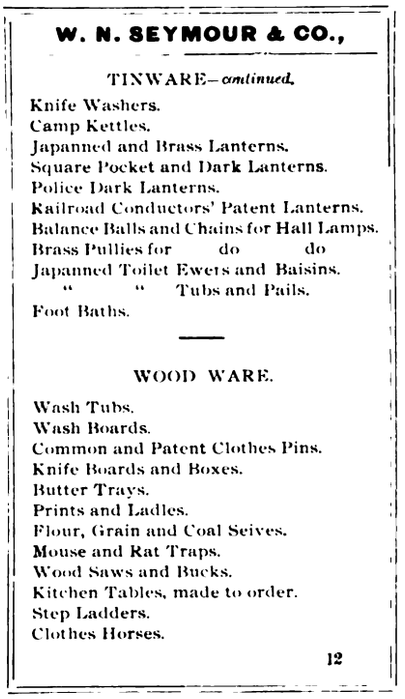

W. N. SEYMOUR & CO..
IMPORTERS AND DEALERS
IN
AMERICAN, ENGLISH,
GERMAN
AND
FRENCH
HARDWARE,
NOS. 4 CHATHAM SQUARE,
and
6 CATHARINE STREET,
NEW YORK.
W. N. Seymour, J. H. White,
J. W. Dominick, J. E. Brush,
R. L. North.
JAMES EGBERT, PRINTER, 374 PEARL ST.
1853.

composed of Lewis and Thaddeus Seymour, who were brothers. Within a few years after the establishment of the business, Thaddeus was killed by being thrown from a wagon. Lewis Seymour was the father of William N. Seymour, and soon after the death of Thaddeus, the firm of W. N. Seymour & Co. was formed. The partners of this firm at various times were W. N. Seymour, J. W. Dominick, J. H. White, J. E. Brush and R. L. North. The firm was continued under the style of W. N. Seymour & Co. until February 1, 1888, when it was succeeded by White, Van Glahn & Co., owing to the sudden death of James H. White, who for the last ten or twelve years previous to his death was the sole owner of the business.

Mr. White had been a member of the firm for more than fifty years, and was probably one of the best known Hardwaremen of New York City. A few years previous to his death he had admitted into partnership his son-in-law, William B. Haulenbeek, who was drowned about three months previous to Mr. White's death—which event was no doubt hastened by the shock of his loss.

As above stated, White, Van Glahn & Co. succeeded to the business in February, 1888, the active management passing into the hands of E. C. Van Glahn, who had spent eight years in learning the iron business in the employ of Phelps, Dodge & Co., a better school than which it would be difficult to find. His active energy and keen perception of the needs of the trade, have had their effect, and the house has certainly more than held its own. For eighty years it has occupied its present premises—the ownership of the building, which was erected by the elder Seymours in 1813, going with the business; has enjoyed uninterrupted prosperity; and in the last few years has increased its business very largely, having enlarged its capacity by taking in an adjoining five-story building, and carrying a much larger stock than formerly. While the concern was for many years nominally a retail house, the business is now more of a jobbing nature, and for that reason has materially increased.

While age goes with this house on Chatham Square, the scenes of busy activity noted there each day are far from any suggestion of mildew. With the infusion of new blood, the old and tried has been retained, many of the old men


W. N. SEYMOUR & CO.,

TINWARE—*continued.*

Knife Washers.
Camp Kettles.
Japanned and Brass Lanterns.
Square Pocket and Dark Lanterns.
Police Dark Lanterns.
Railroad Conductors' Patent Lanterns.
Balance Balls and Chains for Hall Lamps.
Brass Pullies for do do
Japanned Toilet Ewers and Baisins.
" " Tubs and Pails.
Foot Baths.

WOOD WARE.

Wash Tubs.
Wash Boards.
Common and Patent Clothes Pins.
Knife Boards and Boxes.
Butter Trays.
Prints and Ladles.
Flour, Grain and Coal Seives.
Mouse and Rat Traps.
Wood Saws and Bucks.
Kitchen Tables, made to order.
Step Ladders.
Clothes Horses.

12

remaining with the house, one having been there fifty years with August next, another forty-three years, two for thirty-seven, and several for more than twenty.

In those early days, this point was right in the best portion of New York, Henry and Madison Streets and East Broadway being among the most fashionable residence streets. The sales then were mostly of shelf Hardware and things in the house-furnishing line; and some families there are who have continued their trade, through father and sons and grandsons, from the time of beginning until to-day. There is hardly a day passes that does not see some old-time friend drop in to discuss the changes of the past; to recall memories when the Bowery was indeed a bower; when Italy and China and Russia had not taken possession of the regions roundabout; when the elevated trains were not even yet an idea in the minds of their inventors; when Brooklyn Bridge lay in unsought iron in the distant hills; when New York was young and fair, and Brooklyn a little hamlet across the river.

There is in the possession of the house a relic which we are permitted to reproduce in exact size and fac-simile upon this page. It is the catalogue issued by the Seymours in 1853, the front cover and one page of which are given.

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Review of the Markets.

Money: Rates have hardened somewhat, but there is not an extensive demand for money. The tone of the market is reported as a little better. Otherwise affairs remain upon about the same footing as last quoted.

Hardware: It is the general opinion that trade shows encouraging signs of improvement, and a considerably better state of affairs is confidently expected. The fact that most of the orders are small and of a miscellaneous character shows that stocks all over the country are low, but it also shows that dealers are not at all inclined to restock. They would rather get small lots and order often. Reports from many houses show that sales exceed those of last year. Seasonable goods, including wire netting, garden tools, coolers, bicycles, refrigerators, etc., have the call.

Hinges: Jobbers have no inclination to speculate in these articles, consequently there is only the current demand.

Wire Nails: The wire nail market is in a peculiar position. Orders for prompt delivery are not coming in as fast as expected, and consequently the mills are accumulating stocks. The mills are working steadily on orders for future delivery. Lots for prompt delivery are fetching 85 cents. Lots for future delivery are quoted at 90 cents.

Cut Nails: The market shows considerable improvement. The tone is firmer and there is an increased movement of goods. Prices are, for carload lots on deck, 80 cents; small lots, out of store, 90 cents. Prices are a little better.

Cutlery: The domestic cutlery trade in cheap lines is very good just now. The German knifemakers were out on strike from near the beginning of the year until March 1st, and after working a couple of weeks have gone out again. The general opinion here is that it will take some time to settle the difficulty. During that period the home manufacturers will have but little competition, as most of the cheap imported cutlery comes from Germany. Prices have risen 5 per cent. already.

White Lead: The low price of lead in oil indicates that the consumption of the article will be large. English lead in oil is quoted 3¼ cents for April delivery. The old makes bring from 6½ to 7 cents There is more inquiry in dry lead; several large lots have been announced at 4½ cents less 2 per cent., and 5 cents is the price quoted for English dry lead. In Red Lead, there have been more inquiries in domestic brands for contract delivery, and an improvement is perceptable in new contract orders. Prices are firm at 4¼ to 4¾ cents as to quantity, the usual discount allowed. Litharge: The renewal of operations on the part of many of the factories, which have been shut down, has created a large demand. English is bringing 4.75 and 4.90 as to grade, date of delivery and quantity. Domestic grades are reported at 4¼ and 4¾ cents. Zinc: Spring trade bids fair to be good. Prices remain unchanged at 3¾ to 4¼ cents for jobbing parcels. The quotations for German are 4¾ to 4⅞ cents as to quantity and make.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot... ℔	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting	10¼
Anchor Rolling	10½
Baltimore Rolling	10½
Orford	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl....17c.	℔
Over 3½ to 5 " " .. 18c.	℔
Square and Hexagon Rods, 1c. extra.	℔
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive...18c.	℔
Over 3½ to 5 " " ...19c.	℔
Antimony.	
Hallett's ℔	7¼
Cookson's	9¼
Lead.	
Foreign ℔	nominal.
Domestic	3½@3¾
Spelter.	
Foreign ℔	4¾
Western, common	4
Zinc.	
Sheet, cas.k ℔	4¾@5
Tin.	
Straits, 10 ton lots, spots ℔	15
Straits, store lots	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, 14x20	4½
Do. 20x28	9.10
D. R. D. grade, 14x20	4¼
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Nature has no equal as an equalizer of values. The variations of human action and international exchange are sometimes as important as those of soil, season and temperature. It takes something more than a favorable crop surplus to make a permanent place for a nation's product in international markets. The general feeling in business circles, as reported by our correspondent in thirty-odd States, indicates a decidedly better sentiment prevails, and that many kinds of business show an improvement. Money is in better demand. European centers are taking more interest in our securities. Evidently the tide has turned. Cotton has advanced about a cent a pound since Congress adjourned. Railway securities are in active demand, low priced ones in particular. The advance seems healthy. Dividends have been declared and officials have acted wisely in continuing to pay small dividends. The next change may show a small increase, and none of the best properties, such as New York Central, St. Paul, Rock Island, Burlington, Northwest, Jersey Central and Western Union will likely go on to the non-dividend list. Reading is more active, indicating the coal delegates have arranged for less friction in values."

THE DAVENPORT TRADE.

The anxiety caused by the long continued drought is over. A copious rainfall on the 30th ultimo has dispelled our fears, and now we can think of it and write about it. Commencing with the year 1894 we had only about one-half our normal amount of moisture, the exact figures for twenty years being normal 34.78 inches; for 1894, 18.52 inches, this being twenty-five per cent. below the year 1886, which next to last year was the dryest for twenty years, and being just one-third as much as we received in 1876.

The drought continued through January, February and March of this year, drying the earth down to the depth of six feet, down below the roots of all vegetation, the soil becoming a dry fluffy dust, the surface being so light that the winds carried it to and fro like dry leaves; seeds planted, however deep, were literally uncovered in a few hours; farmers despaired of planting; the heat became intense, registering 82 in the signal service office here, and was reported as high as 88 in different sections of the State.

This was our condition on March 29th—discouraging indeed. A total failure of crops last year in many sections, a partial failure in all, no surplus left to feed or sell; many wells, cisterns and creeks dry; boring wells 150 to 200 feet deep not uncommon; even the Father of Waters lower than ever known at this time of year, and we were sweltering in a temperature and humidity of atmosphere seldom experienced in the month of August. The welcome rain of one and three-tenths inches came on the thirtieth, which has resulted in the resuming of planting, stimulating business, dispelling our fears.

Now referring to your question: "What would you suggest as the most potent remedy for existing evils, and the surest method of placing the Hardware business of our conntry upon a solid foundation ?"

If we could correctly answer these questions, our time would be much more valuable as philosophers, than dispensing nails at a profit of five cents per keg; and even if we had the recipes for sale, we question if we could place them, without first giving a liberal Hardware discount, then making a quantity "special" and beyond this a "confidential" 5 per cent. for the prestige of selling a favored few, agreeing to an excessive freight allowance, and granting a dating, approaching the setting sun of eternity.

We know of no potent remedy for existing evils, and do not know of any sure method of placing the Hardware business on a solid foundation. However, as an improvement upon the present methods, we might suggest:

First: Commercial papers, such as Hardware, discontinuing printing prices.

Second: That manufacturers of Hardware refuse to sell their wares to venders of disreputable or unknown goods, to be given away as premiums, thus making standard, staple articles appear cheap and diverting the sale of same from legitimate channels.

Third: Abolish quantity prices. A jobber purchasing at a lower price on account of quantity, demoralizes the market by reducing his selling price, which price the less fortunate buyer is compelled to meet and invariably does meet, consequently the large quantity buyer has realized no greater profit whatever from his apparent advantage and the smaller buyer appeals to the manufacturer for a rebate to enable him to hold his trade. His appeal is earnest and honest, and the fairminded manufacturer recognizes it as such, and being aware of the necessity of allowing the rebate or losing a valuable customer, allows it, and a new and lower price is established. Again Mr. Quantity succeeds in getting a concession; again cuts the price; again the price is met; again the rebate is allowed; again the market recedes another point. This has been the result for years, and will continue just as long as quantity prices are encouraged.

Fourth: It would be better if manufacturers would not sell

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their culls and off-trade goods that so closely resemble the genuine articles to unscrupulous dealers, knowing that they will be offered ultimately to consumers as genuine, thus creating a feeling of distrust against legitimate dealers, on account of disparagement in prices.

Fifth: Manufacturers should not allow their goods to come in competition with themselves, by attempting to sell both the wholesale and retail trade. The jobber makes a price to the retail trade, the retailer appeals to the manufacturer for a lower price and gives as a reason, that he can buy as low from a jobber; the manufacturer must undersell the jobber or lose the trade, the jobber in turn must again meet the manufacturer's price or not sell, and so the prices are forced down.

Sixth: Export prices should not be less than domestic. Too often goods are bought for export, that never leave the wharf, are kept at home and used as market disturbers.

Seventh: Dispense with the commission man who divides his commission for the sake of making a sale, regardless of its effect upon the markets.

Eighth: And most important of all, is the matter of over-production. There are two many goods made, not only in Hardware, but in most lines of goods that are manufactured in this country. A manufacturer finds his margin of profits diminishing; he concludes that by doubling his out-put he can reduce the percentage of cost; he increases the capital stock of his company or borrows the amount from unsuspecting friends, and immediately offers for sale two times the quantity that he has experienced difficulty in placing the previous season, and expects to reap a large profit corresponding to the decrease in cost of production; not once stopping to think what his competitors' would be doing, while he was increasing his output. He finds, too late, that others have attempted the same plan, and the result is smaller profits, increased expense account, no dividends, dissatisfied stockholders, shutting down of mill, workmen out of employment, resulting in the present unpleasant and unsatisfactory condition of things.

In addition to the changes suggested, it would be well if jobbers would have a little more respect for each other's territory; would make their selling prices in their own offices, scan credits more carefully and occasionally read and always remember the Golden Rule. Yours truly,

Sickels, Preston & Nutting Co.

THE PHILADELPHIA TRADE.

The beginning of April finds the oldest inhabitant in demand, as we are all asking: "Did we ever have such a cold spring before?" The weather has been uniformly backward, cold and disagreeable, and even at this writing it is very far from the traditional April day, and it is really encouraging to note that in spite of this, trade has been fair, and just now shows a decided upward turn, which we hope will be permanent. Salesmen generally report an increased demand, mail orders are quite frequent, spring goods have already moved in large volumes with the probability of a very sharp demand after a few days of warm weather, which is reasonably soon to be expected.

Prices are without immediate change, and there seems to be a general belief among manufacturers and jobbers that we have seen the bottom of the pit, and that low prices will soon give way to higher values. Already there is some hardening in the prices of raw material, and it is a curious contradiction that the Wire Market does not respond, but an increase in the demand is almost sure to bring higher prices in this line also.

The Bicycle trade is simply booming. The old idea that a bicycle is a toy is utterly exploded. Now the clergyman visits his parishioners on a bicycle; the physician goes around with his medical case strapped to his machine; both men and women use it freely for pleasure and recreation, and business men find it the quickest and cheapest way to run errands and solicit business. Last summer, when the heat was so great, and horses were utterly prostrated by it, we received a letter from a customer in the pine woods of Jersey, where the thermometer is usually most ambitious. It seems he has a trade among the canneries in that section, and it was necessary that he should visit them, so we were surprised one day during the torrid heat to receive a letter from him, saying: "Why don't you send me that new tire for my bicycle; it is impossible for me to do any business without it. The heat is so great that I cannot use a horse, but on my machine I can go through the woods on bypaths and solicit trade." Such is the value of the bicycle, and now that its usefulness has been established, it has already been decided that the retail Hardwareman is the one to handle the business. and the demand this year for them has been simply immense. The manufacturers are crowded with orders, and we find it almost impossible to supply the demand.

We are very glad to be able to congratulate Hardware upon its fifth birthday, and take pleasure in recommending its methods, which have been to the betterment of trade generally and not in the line of making increased competition.

We wish we had more time to discuss the question "as to the surest methods of placing the Hardware business of our country upon a solid foundation." Answering the question in fewest words, we would say, adopt net prices. We are convinced that this will work to the advantage of everyone, from the manufacturer down to the smallest retailer. The trade papers lately have been full of complaints from the retailer about manufacturers quoting prices direct to the consumer, and the reason that manufacturers are enabled to do this is that it is the custom for manufacturers to issue lists, and the consumers have been educated up to the point of knowing that these lists are simply lists and not prices, and then when the manufacturer is asked by the consumer for a quotation he also asks for a discount to be named, and this of course cuts out the dealer. If net prices were used it would be much less easy for the manufacturer to quote the consumer, and better prices and large profits would be the result, and we hope the day is dawning when net prices will be the rule. A day or two ago a manufacturer was complaining to us that a jobber had spent hours of time and a great deal of correspondence in order to save 2½ per cent. on a certain purchase, and the entire net amount at issue was only about $5; and it is safe to say that the jobber lost $10 worth of time and money in fighting it out, and then didn't get it. Two and a half per cent. or 5 per cent. looks much larger than it really is, and the use of net prices would enable the dealer to have better control of prices and would lessen interference of manufacturers. Respectfully,

Biddle Hardware Co.

THE BOSTON TRADE.

While there has been no extra boom in the month just past, there seems to exist a better feeling among the trade and orders for seasonable goods have been very satisfactory.

From reports among the trade there has been an increase in the volume of business over the previous year, but purchases are made because the goods are wanted, rather than from speculative reasons.

The increased demand seems to have little effect upon prices, and goods are being offered at the low quotations made during the dull months. The manufacturers show little inclination to advance prices, and it seems to be the opinion of the majority that we shall see low prices for some time to come.

That portion of the trade who pay special attention to builder's Hardware, report an increased activity in this class of goods and we confidently expect a good season's business in this line.

Screens, doors and lawn mowers are selling rapidly, and the demand for this class of goods seems to be for a better grade than in years past.

Frye, Phipps & Co.

THE CHICAGO TRADE.

We are very glad to report that since the cold snap and blizzard which we had in February trade has shown a distinctly better feeling, and orders during the last three weeks have been coming in in a very satisfactory way Prices, of course, on almost all lines of goods are extremely low, and it takes a great many more goods to make the same volume of business of a year and a half or two years ago, necessitating, of course, a great deal more work for the same or a less return. We find, however, that comparison of the March business of this year as against March of last year shows a very favorable and satisfactory increase, and this feature of the business we trust will be of a more lasting character than was the spurt we had last year about the same time. We certainly think the indications point in this direction.

Woodrough & Hanchett Co.

THE BALTIMORE TRADE.

Before speaking of the trade in general, there are just a few words of explanation we would like to make concerning a letter we sent you some time ago. We were over-sanguine, attributable to our youth or some such cause, and under its influence donned the prophet garb and ventured to foretell coming events. We had scarcely seen the words in print before we repented of our rashness.

Travelers in Eastern lands assure us of a strange phenomenon. About an hour before daybreak faint streaks of light gleam across

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the horizon visible but a few moments, then darkness sets in again. This is called by the natives *Subhi Kazib* or "false dawn," to distinguish it from the *Subhi Sadik* or "true dawn" which follows. Some such mirage must have allured us into our roseate hued prophecy of a month ago. False dawn it was, followed so quickly by darkness:

"Wishes are bypaths to unhappiness,
And in the vale of tears they terminate."

We had hoped for a revival of trade. Transient lights gleamed along the horizon, and for a time the false dawn was mistaken for the true.

During February and the early days of March, darkness set in. How black and cheerless it was, the letters of your correspondents at that time portray. Indeed, under the pressure of dull times it requires consummate skill to write a cheerful trade letter. Somehow the words run along minor chords: the writer may intend to be merry, the musician may mean to give us a waltz, but the reader detects in the dirge-like monotone a measure void of mirth. Under the pressure of such a spell do you wonder at our silence?

But the night is passed. Dawn is here. A genuine awakening has taken place all along the line. Trade has revived to such an extent as to warrant a belief that it will be lasting. The improvement really dates from the adjournment of Congress a month ago. Its growth has been gradual, giving all the more promise of durability. Those fungous plants of the mushroom variety which spring into full being during a night are generally of a poisonous character. One of the best evidences of improvement in local circles can be had by a visit along the water front. The activity on the wharves and at the freight depots is so marked as to merit more than passing notice—the increase in railroad earnings over the corresponding period of last year. But, perhaps, the most conspicuous favorable feature is the general air of confidence expressed by visiting merchants. They seem to regard the business outlook as encouraging, and realize a turn in the tide of values is at hand. The advance in wages voluntarily ceded to the coke workers on the 1st inst. did much to help along the strengthening process inaugerated in the Pittsburg section. Restore the price

GOOD VARNISH costs money.

To increase your trade try

Glidden's BICYCLE WOOD RIM ENAMEL.
Glidden's DOMESTIC VARNISHES for family use.
Glidden's PROTECTIVE BLACK for Carriages, Window Screens, Exposed Iron Work, &c.
Glidden's SURFACENE, wood filler and first coater,
Glidden's IVORY FINISH, and M. P. SPECIAL COACH.

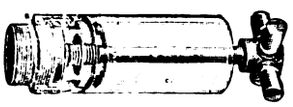
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If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS

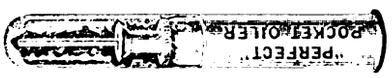


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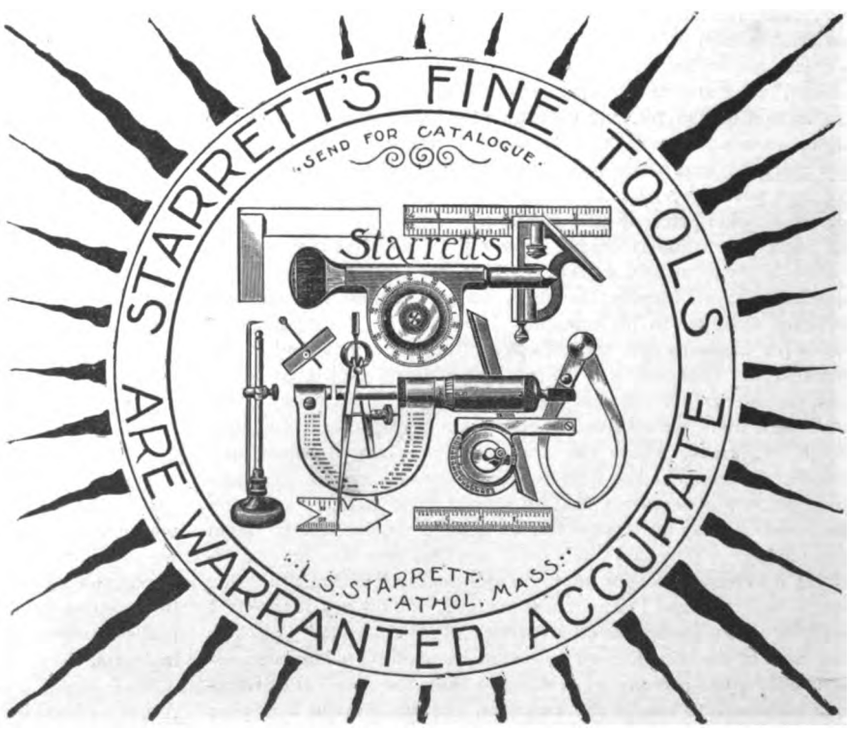
SABIN MACHINE CO., Manufacturers,

MONTPELIER, VT.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.



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WITH APOLOGIES TO CHAS. KINGSLEY

(And the Reader.)

Three Drummers went drumming into the West,
(Out into the West as the sun went down,)
Each drummed for the firm which paid him best,
(And their names were Robinson, Jones and Brown.)
Now Robinson drummed for the Smashem Bros.,
And Jones quoted prices on Lumber,
But Brown he knew
A thing or two,
And drummed like fun for the Humber (American).

Three buyers sat each in his easy chair
(With a smile on his face as the sun went down,)
For each had been drummed by the Debonair
(By the festive Robinson, Jones and Brown.)
But Robinson drumming failed to win,
Though fibs he told without number,
And Jones the sinner
Thought he was the winner,
Till Brown sold each Buyer the Humber (American).

Send for Catalogue and learn how he did it.

Humber & Co., America, Ltd., 318 Broadway, New York.

of Bars and Billets to a fair figure, and manufactured articles will naturally fall into line. The surface indications point that such will be the outcome of the present unrest, provided mal-legislation does not set in.

Noticeable changes have occured recently in the following lines: Bolts changing list and discount, taken throughout making a decided advance. Tacks show an advance even more marked. Wrought Butts list and discount changed to obviate inequalities; safe to say will show a comfortable advance. These together with other changes less prominent are indicative of an effort, at least, to put prices on a more remunerative basis.

Tabb & Jenkins Hardware Co.

THE GRAPHITE INDUSTRY.

Each succeeding month of this year puts an emphasis on the pleasant fact of business increasing, and permanent.

The March sales nearly touch the good figures of the prosperous years, and we hope to soon be able to report that even the

UNSOLICITED TESTIMONY.

Springfield, Ohio, February 21, 1895. COPY OF LETTER.

Irwin Auger Bit Company, Wilmington, Ohio.

Gentlemen:—We send by same mail one of your Machine Bits, which, without dressing or handling in any way, has bored 57,000 holes 4½ inches deep, and is still good. It has such a record that the party felt you would be glad to know it. Yours, etc.,

THE SPRINGFIELD HARDWARE CO. Per Wiseman.



The Sterling Emery Wheel Mfg. Co.,

TIFFEN, O.

EASTERN AGENTS:

L. BEST,

174 Fulton Street,

New York.

CUTTER, WOOD & STEVENS,

131 Pearl Street,

Boston



MANUFACTURERS OF

Emery

AND

Corundum Wheels.

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The Best Razor Strop Dressing in the World.

Why is STROPINE a Good Seller:

1st. It is the most attractively put up. (See cut.)
2nd. It is the Best Razor Sharpener.
3rd. It gives the Smoothest Edge.
4th. It is Perfectly Reliable and good for both Strop and Razor.

For sale by the LEADING WHOLESALE HOUSES.

MANUFACTURED BY
LARIAT MANUFACTURING CO., 405 Atlantic Ave., Boston, Mass.
New York Office, David Eastman, Manager, 64 Reade St.

prosperous record has been outdone. Crucible sales lead the advance, followed by pencils, stove polish, lubricating graphite, and so on, down the line, to about even figures on less important articles.

There is but little else to communicate, as there have been no disturbing inflnences nor fluctuating orders. The situation is one of sound health and and steady growth, without necessary special advertising. We are naturally large advertisers, but have not deviated materially from regular methods to produce special results. Jos. Dixon Crucible Co.

Meeting of the Western New England Association.

Quite an important meeting of the Western New England Iron, Steel & Hardware Association was held Friday, April 5th, at New Haven, Conn. This was a meeting of considerable interest, and nearly every member was present. The most important subject for consideration was the revising a schedule of prices which was adopted about nine months ago, and has been kept and maintained by every member without exception. It has given profits on certain lines of goods which has been sold heretofore as leaders with no profit whatever. The Association had as their guests, Mr. McBarron, Mr. Butts and Mr. Bangs, of the Boston Association, who gave illustrations of how the Boston Association was maintaining prices, and the good that both Associations were doing the Hardware trade in general throughout New England. A committee from both Associations was appointed to visit some of the heavy Hardware dealers in New York City, for the purpose of getting them to organize and work in harmony with the two New England Associations. A most enjoyable dinner was served at the Republican League Club House, after which the meeting adjourned, to meet the second Friday in June.

The officers of the Western New England Association are L. L. Ensworth, president, Hartford, Conn., who is one of the oldest and best known heavy Hardware dealers in Connecticut; S. S. Hunter, vice-president, of the firm of Hunter & Havens, Bridgeport, Conn.; R. S. Woodruff, secretary is the junior member of the firm of C. S. Mersick & Co., New Haven, Conn.; C. C. Lewis, treasurer, Springfield, Mass., is a thorough heavy Hardwareman, and does a large and extended business throughout Northern and Western New England.

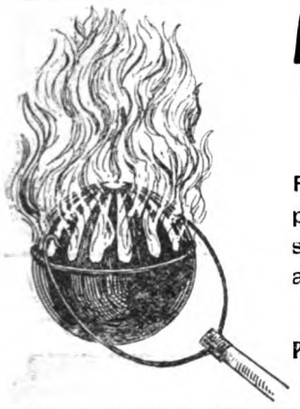
Robert L. North, who died recently at his home No. 1,850 Aldine Street, Lake View, Chicago, was a member of the Hardware firm of Larrabee & North, Chicago. He was well-known in New York, having been a member of the Seventh Regiment. He was at one time a member of the former firm of W. N. Seymour & Co., Hardware merchants, No. 17 Chatham Square, which was succeeded by White, Van Glahn & Co.

Asbestos in its original state is a fibrous mineral indigenous to Canada and other places, and is sent over here in lumps like pieces of raw slate on the top and bottom, while the sides are covered with a fluffy substance—the fibre, when it is pulled from the bulk.

Geo. C. Wright, formerly salesman for Wm. Jessop & Sons, Ltd., has accepted a position with the Carpenter Steel Co., and no longer represents the former firm.

A GOOD THING.
PUSH IT ALONG.
Sells on Sight.
WARNER BURGLAR PROOF LOCK.
The Cheapest, Strongest, Lightest Dead Rim Lock made.
Write for Prices and Circulars.
THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

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ASBESTOS TORCH

For destroying Caterpillars and other insects Very useful as a Fish ng Torch.
Order sample lot.

Price, $4.00 per doz.
50 cents each.

HERO CHURNS.

The Best and Lowest priced Barrel Churn in the market. Can be sold at prices other makes cost.



Smith & Whittier, Selling Agents,

116 & 118 North St., Boston.

Wood Fibre and Tin Ware.

The Good Words

Spoken elsewhere by Leading - - -

Hardware Jobbers and Manufacturers

Should be studied and heeded by all who wish to Place their Goods before the Hardware Trade of America.

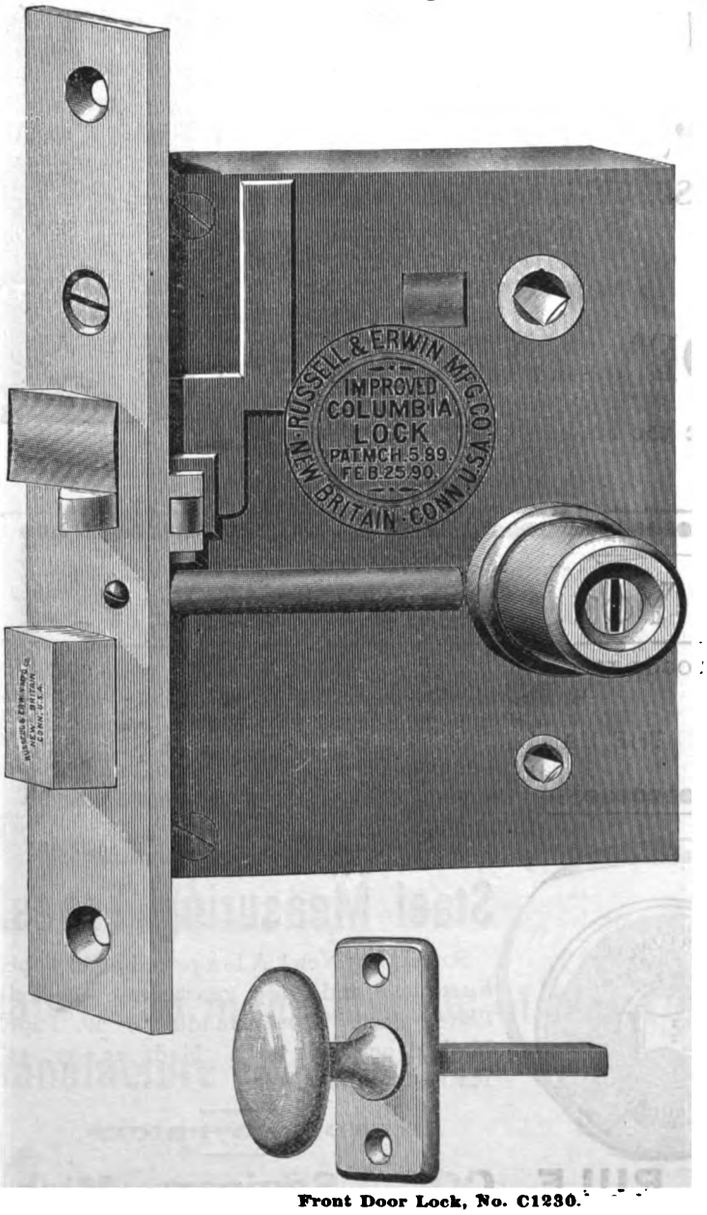
TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS·

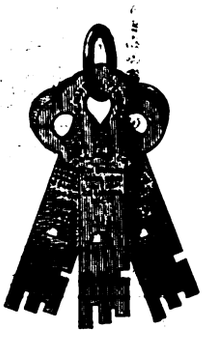
Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London

Manufacturers of the

Columbia Cylinder Lock.





Front Door Lock, No. C1230.

The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

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Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.



The Perfect Egg Beater, Nickel-Plated.

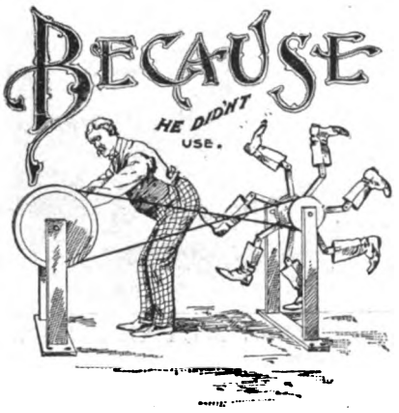
Ask for a Catalogue.





Patent Allowed. The Best Beater ever offered to the Public at the right price.

Manufactured by - - **F. H. WEEKS, Akron, Ohio.**



GLIDDEN'S WOOD RIM ENAMEL
For his Bicycle.

GLIDDEN'S SURFACENE
For Filler on his House.

GLIDDEN'S "M.P."
SPECIAL COACH VARNISH
For Finishing his House.

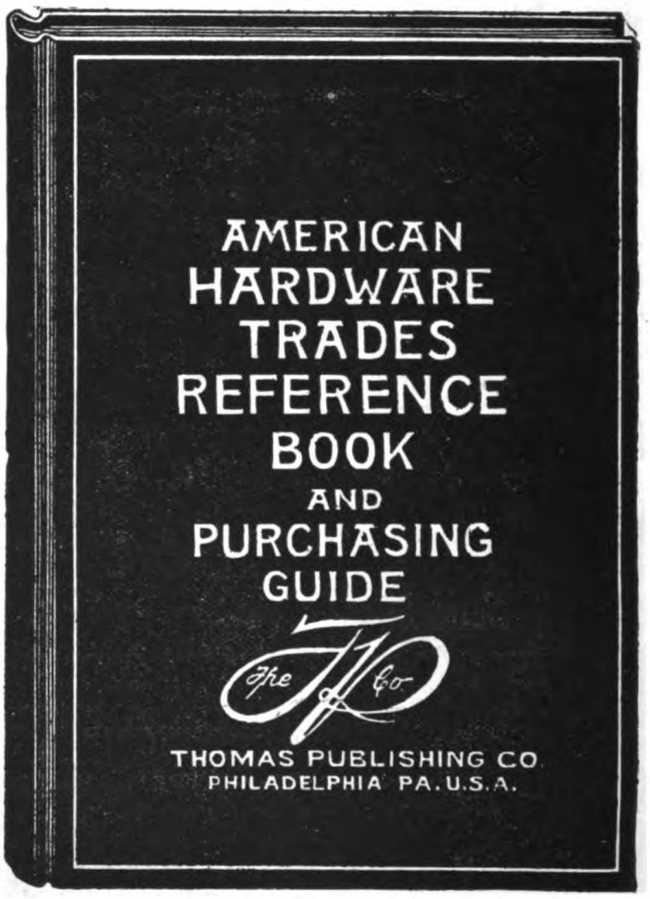
THE

GLIDDEN VARNISHES

are the best in the world.

See Ad. Page 83.

Over 15,000 Dealers now use it to their profit.



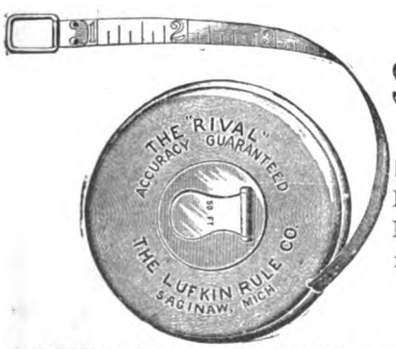
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WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?
WE FURNISH COMPLETE OUTFITS.

THE HANSON & VAN WINKLE CO.,
CHICAGO NEWARK, N. J. NEW YORK



"RIVAL"
Steel Measuring Tapes.

Something New! A low priced Steel Tape. First-class and fully guaranteed. Nickel-Plated Case. Flush Handle. ⅜ in. Tape. Marked one side only. Made 25, 50, 75, 100 feet lengths.

SEND FOR PRICES.

LUFKIN RULE CO., Saginaw, Mich.
NEW YORK OFFICE, 21½ MURRAY ST.

TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

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Kearney & Foot Co.

MANUFACTURERS OF

FILES AND RASPS

Office, 100-102 Reade Street, New York.

Works, Paterson, New Jersey, U. S. A.

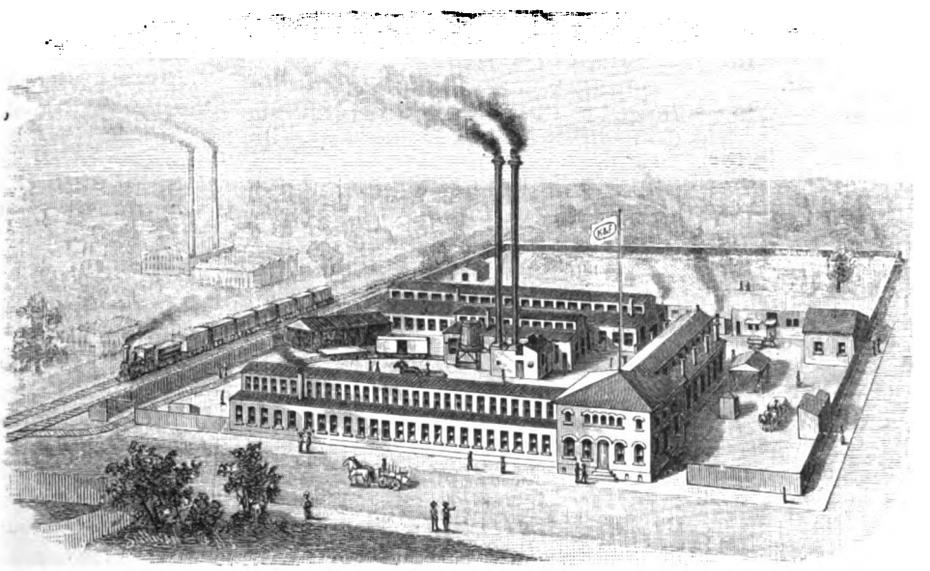


CHICACO Branch, WOODROUGH & HANCHETT CO., 38 Lake Street.

BOSTON Branch, WOODROUGH, MANSFIELD & CO., 36 Pearl Street.

Large stocks carried by us in both places.

Capacity, 2000 Doz. per Day.



QUALITY UNEXCELLED.

Only the most skilled labor and highest grade of material used in the manufacture of our goods.

Illustrated Banner Chart, 30x38 inches, descriptive of all shapes and sizes of Files, mailed on application to any firm or company in good financial standing.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be glad y received, and promptly publish d.

New Hardware Stores.

Bozemarn, Mont.—Harry McCay.
Eagle Point, Iowa.—Scholz & Wimmer.
Franklin Grove, Ill.—Frank Maronda.
Grand Forks, N. Dak.—Gallup & Hall.
Hartford, Kan.—Howe & Mulconnery.
Okawville, Ill.—Frank, Voegel & Baumgartner.
Old Fort, Ohio.—H. R. Kanney & Bro.
Pawnee City, Neb.—Smith Bros.
Port Chester, Pa.—Edward Kapp.
Presque Isle, Canada.—J. L. Wellington & Co.
Saginaw, Mich.—F. C. Achard.
Sandy Hill, N. Y.—S. H. Parks.
South Weymouth, Mass.—M. R. & F. E. Loud.
Waldo, Wis.—J. M. Darling.
Wooster, Ohio.—Rich & Blough.

Record of Changes.

Afton, Iowa.—George M. Violet, Hardware, succeeded by John Olinger.

Aiken, S. C.—C. P. Allen & Co., Hardware, F. H. Lyman purchased C. P. Allen's interest in the firm, who was forced to retire on account of ill health. The company will continue the Hardware business.

Athol, Mass.—Henrie C. Fay has bought the Hardware business of L. C. Parmenter & Co.

Barre, Vt.—Prindle & Averill have succeeded E. A. Prindle & Co. in the Hardware business.

Berkley, W. Va.—A. R. Winder has sold his Hardware business on Chestnut Street to Chas. Gibbs, Jr.

Brookville, Ohio.—J. P. Cloppert has purchased Mr. Binkley's interest in the Hardware business of Binkley & Spitler.

Camden, N. Y.—R. E. King has sold his Hardware business, which he has conducted in the Newland block for several years, to L. P. Smith.

Castana, Iowa.—Waples & Willits, Hardware, etc., succeeded by Waples & Sons.

Centreville, Md. — The firm of Phillips & Smith, Hardware, stoves and tinware, have dissolved, George C. Smith purchasing the interest of his partner, Frank H. Phillips, in the business.

Ceres, Pa.—John W. Cole and George C. Hickox have purchased the Hardware store of F. H. Raymond.

Champaign, Ill.—J. W. Shuck, dealer in Hardware, has sold his interest to W. I. Saffell.

Cheney, Kan.—Wallace & Kinsey succeed J. A. Wallace & Co. in the Hardware and implement business.

Cherry Valley, Ill.—F. A. Dutcher has sold his Hardware business to Thomas Lee.

Cleveland, Ohio.—George J. Arthur has sold his Hardware business to Louis Koehl.

Coal City, Ill.—George A. Trotter has purchased the Hardware store of Thomas Jack at Spring Valley.

Colorado City, Col.—Midland Hardware Co. sold to John Gray.

Eudora, Kan.—John L. Brender, Hardware, reported succeeded by Carl Durr.

Fitchburg, Mass.—A new firm has been organized under the name of Lawrence Sons & Co., who have bought the business recently carried on by A. B. Lawrence & Co.

Garrison, Col.—W. Chapson, Hardware, sold to Chapman & Forrest.

Grand Blanc, Mich.—James Maxwell has purchased the interest of A. D. Banker in the Hardware business.

Greenwich, N. Y.—W. L. Cozzens has sold his Hardware store to L. K. Finch and John Safford, Jr.

Hart, Mich.—Noret Brothers, Hardware, reported succeeded by E. A. Noret.

Jerseyville, Ill.—Calloway, Metcalf & Co. have purchased the Hardware stock of the English-Eaton Hardware Co.

Kahoka, Mo.—B. F. Waggenes has purchased the interest of Matt Moffitt in the Hardware store of Moffitt Bros.

Lincoln, Ill.—The Hardware firm of M. Reinhardt & Son has been changed to Reinhardt & Sons.

Lyons, N. Y.—J. C. Myers & Co., Hardware merchants, have dissolved partnership and will be succeeded by the firm of Noble & Tromer.

Manilla, Iowa.—W. L. Paup & Co., Hardware and agricultural implements, succeeded by Hoffeins & Schade.

Morrison, Ill.—T. W. Watt, Hardware, succeeded by Ritchie & Watt.

Northville, N. Y.—Philo Smith, Hardware merchant, has sold his business to Earl S. Batcheller, of Rome.

Oberon, N. Dak.—R. B. Wooley, Hardware, etc., reported succeeded by M. C. Goodsill & Co.

Piqua, Ohio.—John T. Barnett has purchased the entire stock of E. S. Barnett in the Barnett Hardware Co.

Port Henry, N. Y.—The firm of Olcutt & Huestis, of Fonda, N. Y., have bought out the Hardware business of Ferguson Jansen.

Quitman, Mo.—Wyatt & Beattie, Hardware, etc., reported sold to J. G. Cordell.

Sistersville, W. Va.—Boyers & Pollock, Hardware, reported now J. W. Boyers.

Steele City, Neb.—D. M. Quigley has purchased the Hardware store of E. Hamley.

Thompson, N. Dak.—W. T. Smith has purchased the interest of John Cameron in the Hardware business of Cameron & Smith.

Traverse City, Mich.—W. J. Hobbs has associated with him in the Hardware business, H. D. Alley, of Auburn, N. Y.

Vincennes, Ind.—Wm. P. Ritterskamp & Co. have sold their Hardware store on Main Street to E. A. Ritterskamp, of Bicknell, and August Meise.

West Mansfield, Ohio.—J. W. Ainsley has sold his stock of Hardware to A. Elliott.

Improvements and Removals

Adrian, Mich. — The Wilcox Hardware Co. are making many improvements in the interior of their store. They have placed a new steel ceiling in, and have fitted up a room for the exhibition of the various styles of mantels they handle.

Chippewa Falls, Wis.—F. W. Stees & Co. are moving their stock of Hardware into the Wagner building.

Darlington, Ind.—An addition has been commenced to the Hardware store of Seybold & Butler.

East Las Vegas, N. M.—The McLean-Gilmore Hardware Co. are building an additional wareroom.

Gardiner, Me.—I. G. Vannah & Co., Hardware dealers, are improving the interior of their store.

Greenwich, Conn.—John H. Ray & Son have their stock of Hardware, etc., moved into their new store.

Newburgh, N. Y.—Robert Johnston has leased the two floors over the shoe store of Edwards & Forsyth as an annex to his Hardware establishment.

Springville, N. Y.—H. Curtis has rented the new Richmond store and will remove his Hardware stock into it as soon as it is ready for occupancy.

Tonganoxie, Kan.—The Driesbach firm contemplate building an addition to their Hardware house.

Business Embarrassments.

Fayetteville, N. Y. — Nichols & Austin, retail merchants and dealers in general Hardware, have made a general assignment for the benefit of their creditors.

Lynn, Mass.—The L. A. May Co., dealers in Hardware, have assigned to Jacob M. Lewis.

New York, N. Y.—Snowden Pulton and John E. Trageser, who composed the firm of Pulton & Trageser, Hardware dealers, at No. 56 Eighth Avenue, have assigned to Richard M. Bent.

Oswego, N. Y.—The Hardware firm of T. J. Tifft & Son have assigned.

Rockford, Ill. — David B. Harwood & Sons, dealers in heavy Hardware, bicycles, etc., have assigned.

Yardley, Pa.—Howard S. Harrold, Hardware merchant, has made an assignment to Samuel Harrold, of Trenton, N. J.

Burglaries in Hardware Stores.

Malone, N. Y.—Thompson Bros., revolvers.
Neponset, Ill.—Miller & Stevenson, $80.
Noblesville, Ind.—Griffin Bros., cutlery.
Waukegan, Ill.—W. A. Melody, $200.
York City, Pa.—John F. Thomas & Sons, $50.

Fires in Hardware Stores.

Ashley, Pa. — The Hardware store of Charles Caffrey has been damaged by fire.

Axtell, Kan.—Ely Bros. & Axtell's Hardware store has been burned. Loss, $17,000; insurance, $7500.

Fall River, Mass.—The Hardware store of Henry Cooper on Charles Street has been destroyed by fire. Loss, $3000; insurance, $2000.

Harvard, Neb.—Livingston Bros., Hardware, etc., reported fire loss of $700; insurance, $300.

Lansing, Mich. — Fire has damaged the Hardware stock of C. M. Norton.

Santa Fe, N. M.—Franz's Hardware store has been burned.

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Mr. Hardware Dealer,

Dear Sir:—Avail yourself of our experience and advice.

BUY YOUR BICYCLES OF THE

Manufacturers direct. You'll get better goods for the same money. That's what you want. They'll give you less trouble and better satisfaction.

The GRAND RAPIDS CYCLE CO.

Are selling dealers direct. They might be able to interest you, if you'll write them. They are the

Makers of those Bicycles Built for Business.

Address,

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

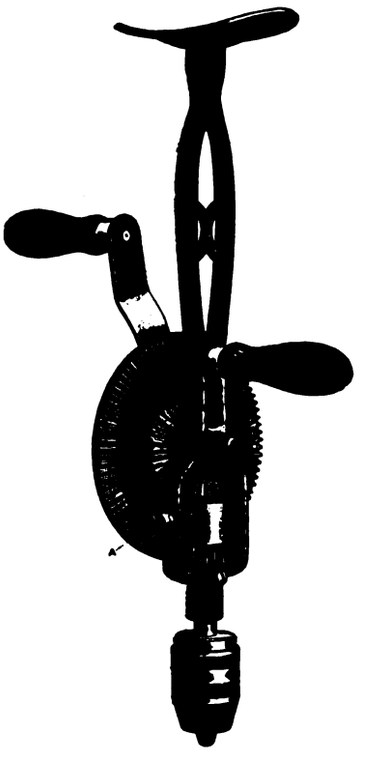
The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

GOODELL HAND AND BREAST DRILLS



HAVE NO EQUAE



Send for Circular to

H. H. MAYHEW COMPANY,

SHELBURNE FALLS, MASS., U. S. A.

NEW ENGLAND SPECIALTY CO., - **NORTH EASTON, MASS.**

Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



Racing "365 DAYS AHEAD OF THEM ALL." 17 to 23 Pounds 

CATALOGUE FREE
FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The announcement is made that the Bryden Horse Shoe Co., Catasauqua, Pa., are preparing catalogues of the racing plates and trotting shoes which they are about to manufacture of aluminum. They have bought the rights of Covington & Kent, of New York, who are the patentees. W. J. Kent will directly supervise the manufacture, but orders should be sent to the Bryden Horse Shoe Co.

"Go for the Russian Thistle! Clean it out, or it will clean you out." This urgent warning is found upon a leaflet issued by the Withington & Cooley Mfg. Co., Jackson, Mich., who stand ready to furnish a Thistle Cutter by which this good work can be done.

Aluminum letters can be fastened to window glass with the same cement that is used for porcelain letters, but the aluminum must be thoroughly washed in benzine first to remove the grease.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are $75.00 $60.00 $50.00 $40.00

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.
Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Augusta, Me.—J. H. Cogan & Co., Hardware, etc., will take up bicycles, and are improving the interior of their salesroom with that object in view.

Chicago, Ill.—Horton, Gilmore, McWilliams & Co., Nos. 172 to 176 Lake Street, are putting on the market a new high grade bicycle, which will be known as the Garden City.

Dolgeville, N. Y.—W. H. Fabille, bicycles, commenced business, accepting agency for the Columbia and Hartford bicycles, as well as for the Spaulding and Credena wheels.

Jacksonville, Ill. — Hayden & Gay, the leading Hardware and bicycle dealers, have added a full line of Wilhelm "Apollo" bicycles to their line of wheels.

Madisonville, Ky.—Walter Pratt, bicycles, will open new store in the Hog Eye Block.

San Francisco, Cal.—The Clipper Bicycle Co. have incorporated, with J. C. McBride, G. F. Hanson, F. C. Bachmuster, H. G. Stephenson and A. J. McLode, as directors. Capital stock, $21,000.

Saratoga, N. Y.—The Sterling Bicycle Co. will establish a branch on Spring Street. The company have leased the Casino for that purpose. Mr. Roland will be resident manager. A riding school will be carried on, and a rental business conducted.

Shelby, N. C.—W. H. Miller, Publisher the *Aurora*, desires agency for a good bicycle. Correspondence with manufacturers invited.

Springfield, Mass,—W. E. Kinney & Co., bicycles, have commenced business, accepting agency for the Rochester wheel.

Syracuse, N. Y.—Merrion Andrews is reported to be endeavoring to organize a company or form a copartnership to manufacture a new bicycle gear recently invented by him and for which a patent application has been made. It is claimed that the new gear only adds about six pounds to the weight of the wheel, but that its increased speed more than makes up for its weight.

Terre Haute, Ind.—William A. Hunter, livery stable, No. 614–618 Ohio Street, will add a bicycle department, handling the Victor, Frasier and Outing bicycles. The new department will be under the management of Alley Baker, formerly of the bicycle firm of Baker & Watson.

Washington, D. C.—B. H. Steinmetz, hatter, No. 1237 Pennsylvania Avenue, has added a department for bicycling apparel, tennis goods, etc.

Washington, D. C.—M. A. Tappan, sporting goods, No. 1013 Pennsylvania Avenue, is preparing to open a bicycle repairing department. He is carrying the Spalding wheel, and a full line of sundries.

Worcester, Ohio.—H. A. Rich, of Fort Wayne, Ind., and J. P. Bough, of Goshen, Ind., have formed a copartnership, and have opened new Hardware store and will take up bicycles.

Changes and Removals.

Fort Wayne, Ind.—Fred Borneman, sporting goods, bicycles, etc., Main Street, reported sold out to John Troutman, who will continue the business.

Parkers Prairie, Minn.—Saunders & Post, Hardware, bicycles, etc., partnership dissolved.

St. Paul, Neb.—N. I. Bollenger, Hardware, bicycles, etc., sold out to Theo. J. Steen, of Boolus, Neb.

Thomson, Minn. — Cameron & Smith, Hardware, bicycles, etc., partnership dissolved.

Washington, D. C.—Cline Bros., bicycles and sporting goods, agents for the Victor, will remove April 1st to larger quarters at No. 909 Pennsylvania Avenue, N. W., their present location being at No. 715 Thirteenth Street.

Wellington, Ill.—Galloway & Son, Hardware, bicycles, etc., succeeded by Galloway & Evans, Mr. Galloway, Sr., retiring from the business, and Harry Evans purchasing a half interest.

New Goods and Improvements.

Ansonia, Conn.—John McEnery and E. E. Trumppour have invented an improved bicycle stand, and are reported to be endeavoring to organize a company, or effect a partnership by means of which the invention may be put upon the market.

Creston, Ind.—The Fuller Hardware Co. has been incorporated by M. E. Fuller, A. R. Fuller and Roy A. Fuller. Capital stock, $50,000. Will take up bicycles. Correspondence with manufacturers solicited.

East Norwalk, Conn.—C. H. Aisthorpe, bicycles, etc., is preparing to move into larger quarters, now being erected for him. The second floor of the building will be occupied as a bicycle riding academy. A bicycle repairing busines will also be conducted.

Greenfield, Mass.—W. S. Clark is putting on the market a new manufacture of liquid tire cement, for cementing tires for bicycles having both steel and wood rims.

Saratoga, N. Y.—Charles N. Hulbert, bicycles, will remove from his present store, No. 334 Broadway, to No. 352 Broadway. He is building an addition, which will be used as a bicycle repair shop.

St. Paul, Minn.—Farwell, Ozmun, Kirk & Co., sporting goods, Hardware, etc., have moved into new building on East Third Street, extending from Broadway to Pine Street, covering area of 94 by 203 feet, with six stories and basement. This is a corporation, of which the following are the officers: F. P. Strong, president; O. A. Bostwick, vice-president; R. A. Kirk, treasurer; W. T. Miller, assistant treasurer, and F. A. Bostwick, secretary.

Winnetka, Ill.—J. T. Calrow is putting on the market a new bicycle chain lubricant.

Correspondence Solicited.

Bamberg, S. C.—C. J. S. Brooker will take up bicycles. Correspondence invited with manufacturers of wheels and sundries, looking to accepting agency.

Beaufort, Ga.—R. H. Allen, harness, etc., invites correspondence with manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Beeville, Tex.—Burrows Bros., general merchandise, desire agency for a good bicycle.

Bel Air, Md.—Phineas F. Ball, Hardware, etc., desires propositions from manufacturers of bicycles and bicycle sundries.

Bethany, Mo.—Cole & Pile, Hardware, etc., invite propositions from bicycle manufacturers, looking to accepting agency.

Blocton, Ala.—J. A. Cates, general dealer, desires agency for bicycles, and invites correspondence with manufacturers.

Caldwell, Tex.—Wallney & Stokes, harness, etc., are thinking of taking up bicycles. Correspondence with manufacturers solicited.

California, Mo.—R. Kiely, Hardware, etc., is preparing to take up bicycles.

Cleveland, Tenn.—Hall Bros., Hardware, are preparing to take up bicycles. Solicit propositions from manufacturers of wheels and sundries.

Dayton, Ky.—Roy McClanahan invites propositions from manufacturers of bicycles and bicycle sundries, looking to accepting an agency.

Ellisville, Miss.—H. S. Gunn, sporting goods, Hardware, etc., intends adding bicycle department, and to that end invites correspondence with manufacturers of bicycles and bicycle sundries.

Havre de Grace, Md.—J. N. Spencer, general dealer, will add bicycles. Desires correspondence with manufacturers.

Middleboro, Mass.—Fayette W. Hayden, bicycles, preparing to open a new store.

Miscellaneous.

Big Stone Gap, Va.—G. W. Lovell & Co., Hardware, etc., will take up bicycles.

Carlisle, Pa.—E. C. Bushman, bicycles, has opened a new store in the Odd Fellows' building.

Cincinnati, Ohio.—The Pickering Hardware Co. have been appointed sole agents for Cincinnati for the Columbia and Hartford bicycles and bicycle sundries. This department of the business will be under the management of Herrman Bumileer.

Dabney, Ark.—Daniel Dabney, Hardware, bicycles, etc., new store opened.

Leavenworth, Kan. — Christiansen & Burns, manufacturers of the bicycle sled, are reported to be endeavoring to organize a company to form a partnership to increase the capacity of their present business, in which there is said to be large profits and a sure investment. They have appointed C. J. Whipple & Co., Waterloo, Iowa, as their selling agents for the United States and Canada.

Minda, N. Y.—Fletcher C. Peck is reported to be organizing a company with a capital stock of $20,000, to establish a bicycle factory.

Westboro, Mass.—The Humber Limited Bicycle Co. have nearly doubled the capacity of their plant recently, and are now running night and day.

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Waverley Bicycles.

Are warranted superior to any other Bicycle built in the World, regardless of price.
High Frame, Wood Rim, Detachable Tire, Scorcher, weight, 22 lbs., $85. Ladies' Drop Frame, same weights and Tires, $75.

A GOOD AGENT WANTED in every Town. A splendid business awaits the right man. Get our Hardware Dealers Catalogue. Free by mail.

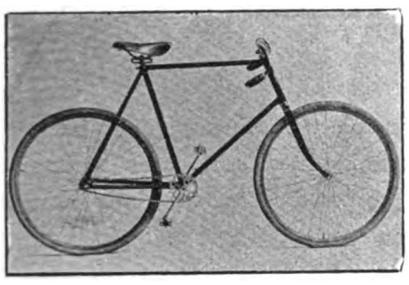
INDIANA BICYCLE COMPANY, - Indianapolis, Ind.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.
INDISPENSABLE TO WHEELMEN.
Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4s, $1.25; No. 4d, $1.50, etc.
Send for Catalogue.
C H. LAMSON, Portland, Me.

IMPROVED
Tack, Shoe and Wire Nail
MACHINERY,
KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS.



Eclipse Special.

WESTERN AGENTS:
SIMMONS HDW. CO.
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Hardware Dealers

Just Ask Us For
Catalogue and Quotations.

WE WILL DO THE REST.

ECLIPSE CYCLES "They Stand the Test."

ECLIPSE BICYCLE CO.,

Indianapolis, Ind. — BEAVER FALLS, PA. — Hamilton, Canada.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade), -	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade), - -	75.00
OVERLAND, 28 in. for Ladies and Gentlemen, -	65.00
OVERLAND, 26 in. " " " " - -	50.00
OVERLAND, 24 in. for Boys and Girls, - - -	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

The Gales



MANUFACTURED BY
Schoverling, Daly & Gales
302 Broadway, N. Y.
THE BEST WHEEL IN THE MARKET.
20 lbs., $90.00; 24 lbs., $80.00; Ladies', $85.00.
Improved on last year's at every point
AGENTS SOLICITED. LARGE DISCOUNT TO DEALERS.

A BICYCLE MADE FROM ALUMINUM

is better than one made from STEEL



Two years' service has PROVEN this.

IT LOOKS BETTER.
RIDES BETTER.
WEARS BETTER.
COASTS BETTER.
SELLS BETTER.

Mr. Dealer, if you handle bicycles you want to make the business pay.

The Lu-mi-num. is the one that sells and stays sold. Write to us; we want your acquaintance at least.

Incorporated 1873. St. L. R. & W. G. Co.,
Capital, $500,000.00 St. Louis, Mo.

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Shrewd Hardware Dealers

KNOW THE VALUE OF FINE STEEL OVER INFERIOR GRADES.

THE FRAMES OF

HELICAL TUBE PREMIERS

Are made of finer steel than can be used in any other bicycle, resulting in lighter wheels combined with greater strength. We are placing agencies with responsible parties only, and if there is no "Premier" agency in your town it will pay you to write us for catalogues and terms.

PREMIER CYCLE MANUFACTURING CO.,

34, 36 & 38 Watts Street, New York.

First Annual Sportsmen's Exposition

(INCORPORATED)

Madison Square Garden, New York City,

May 18th to May 18th, 1895.

Under the Auspices of the Sportsmen's Association. **CHARLES TATHAM, President.**

BOARD OF TRUSTEES: CHARLES TATHAM, J. VON LENGERKE, J. A. H. DRESSEL, CHARLES DALY, JACOB H. STUDER, P. J. SANFORD, FREDERIC S. WEBSTER, JOHN S. WISE, ARCHIBALD ROGERS.

A MAGNIFICENT display of every thing appertaining to sports, including mounted and living specimens of North American game animals, realistic cycloramic groups of camp life and hunting scenes, log cabins and hunters' camps, showing the life of the sportsman. Also valuable paintings, books, etc.

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S. L. Crosby,
Studer's Birds of North America
Natural Science Ass'n,
Leroy Shot & Lead Works,
Barney & Berry Skate Co.,
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For information regarding special railroad rates, and rental of spaces, address

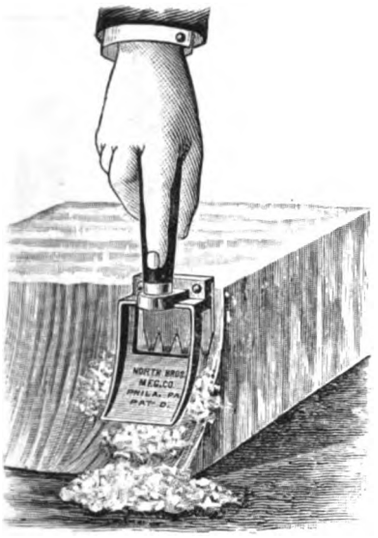
FREDERIC S. WEBSTER, Secretary,
106 East 23d Street.

FRANK W. SANGER, Manager,
Madison Square Garden.

SPECIAL NOTICE.—The management requests secretaries of Gunning, Shooting, Fishing, Yachting, Rowing, Curling, Golf, Tennis, Archery, and all out-door clubs to send their list of officers and number of members to Frank W. Sanger, Manager, Madison Square Garden.

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Saves Time.

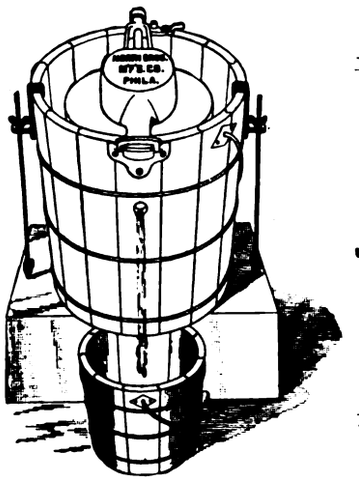


"Crown" Ice Chipper.

The only practical tool for chipping ice quickly to small uniform pieces for use in Ice Cream Freezers, in place of old time bag and hatchet. A 20-pound block of ice can be reduced to small pieces size of peanuts, in five minutes. Saves all waste of ice. Useful in bar-rooms, restaurants, etc. List price, $6.00 per dozen.

Saves Labor.

HAVE YOU SEEN THEM ?



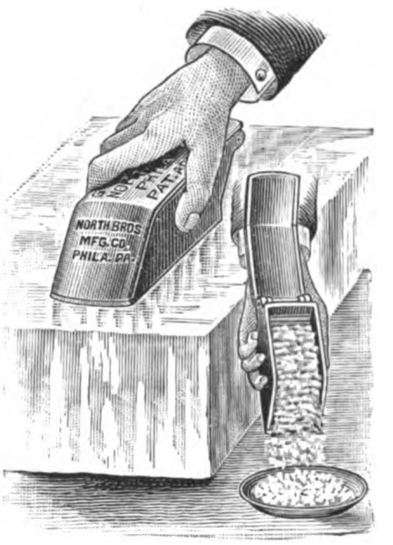
ASK YOUR JOBBER ABOUT THEM.

"Gem" Freezer Clamps.

A simple, handy and cheap attachment for holding freezer firmly during time of operating. Their use takes away the greater part of labor in making Ice Cream. They can be used for any style Freezer. Made in four sizes for Freezers of ranging heights of pails. List price, $3.00 per dozen pairs.

Send for Descriptive Circulars.

Saves Ice.



"Gem" Ice Shave.

For shaving ice from blocks in refrigerator without removal. Shaved ice is desirable for cooling cantaloupes, melons, tomatoes, fruits, wines, liquors, lemonades and other iced drinks at home, or at soda fountains, bar-rooms, restaurants, etc. List price, $6.00 per dozen.

MANUFACTURED BY

Sold by Leading Jobbers.

NORTH BROS. MFG. CO.,

Mfrs. of Lightning, Gem and Blizzard Freezers.

PHILADELPHIA, PA.

John H. Graham & Co., Manufacturers' Agents, 113 Chambers St., N. Y.

See Advt. page 132.

The "OHIO" Ice Cream Freezer

(Gooch's Patent.)

A Wonderful Success.

Greatest improvement ever made in Freezers.

IT IS WORTH LOOKING UP!!

Improvements are being made in all lines of manufacture, Why not in Ice Cream Freezers?



"Tickled to Death."

TO THE TRADE.—We are making the "OHIO" Ice Cream Freezer, which is new and good, of full size and excellent finish. It is far superior to any other. It works to perfection and pleases everybody. Nothing like it in the market. We have undertaken the manufacture of this Freezer on account of its great merit. If you deal in Freezers you would like to see it. Send for Sample.

THE SAM'L C. TATUM CO., Cincinnati, Ohio.



This Spring we are making some valuable special offers to dealers who sell

BISSELL CARPET SWEEPERS

Write for Particulars.

BISSELL CARPET SWEEPER CO.

CARPET SWEEPERS ONLY.

FACTORIES: Grand Rapids, Mich.; Toronto, Canada; Paris, France.

OFFICES: Grand Rapids, Mich. (Main Office); New York City (Export Office).

BRANCHES: London, Boston, Paris, Hamburg, Melbourne, Rotterdam, and agencies in Twenty Foreign Countries.

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BICYCLE LAMPS AT POPULAR PRICES.



Circle.—Glass, 2¼ inch; Oil capacity, 9 hours; Self-adjusting Socket; Rubber Joints; Detachable Oil Tanks. Weight, 8½ oz. **Price, Enameled, $1.00.**



Cyclight.—No. 57, L. Lens, 2¼ in., Enameled. **Price, $1.60.**
No. 57, Plain Glass, 2¼ in., Enameled. **Price, $1.10.**
Wick, ¾ in.; Oil capacity, 7 hours; Weight, 12 oz.



Jupiter.—No. 57. D. Lens, 2¼ inches, Enameled. **Price, $2.00.**
Wick, ¾ inch; Oil capacity, 9 hours; Weight, 12 oz.

The Mito at $3.00; Bell Rock, No. 0, at $4.00; Bell Rock, No. 43, at $5.00, and Lito, at $6.00, complete the line. They are made by H. MILLER & CO., of England, who are the largest cycle lamp makers in the world. Send for special lamp catalogue.

A. M. SCHEFFEY & CO., - Sole U. S. Agents, - 92 Reade Street, New York.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Cas, Alcohol Stoves, 20 Styles, Cas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

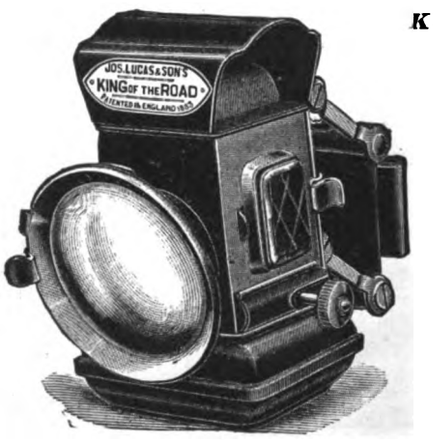
Lucas Lamps for 1895

Have been much improved and will give greater satisfaction than ever.

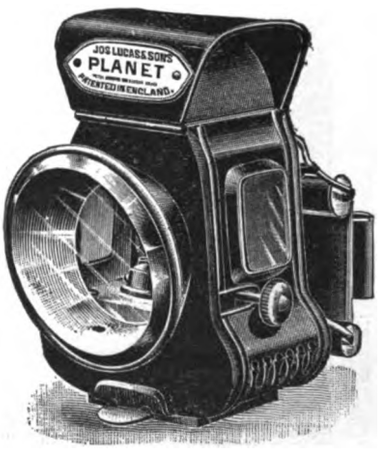
THEY ARE *KING OF THE ROAD,*
KINGLET, TOURA,
CAPTAIN, MIDGET,
LUCENT, PLANET.



Toura.



King of the Road, 000.



Planet.

RECOGNIZED by the trade AS the BEST.

See our Exhibit of Bells and Lamps at Chicago and New York shows.

Sole Representatives in the United States,

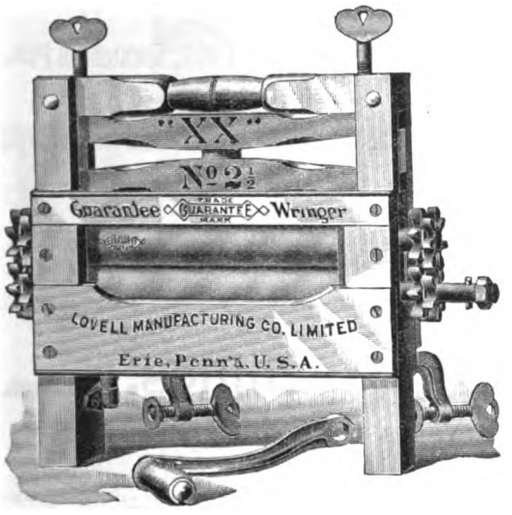
The New Departure Bell Co., Bristol, Conn.

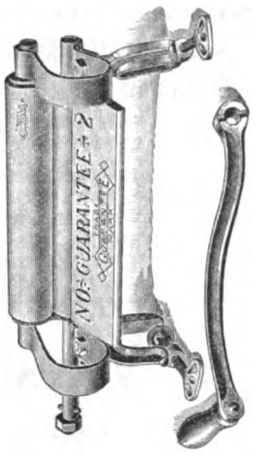
Sole Agents, **John H. Graham & Co.,**

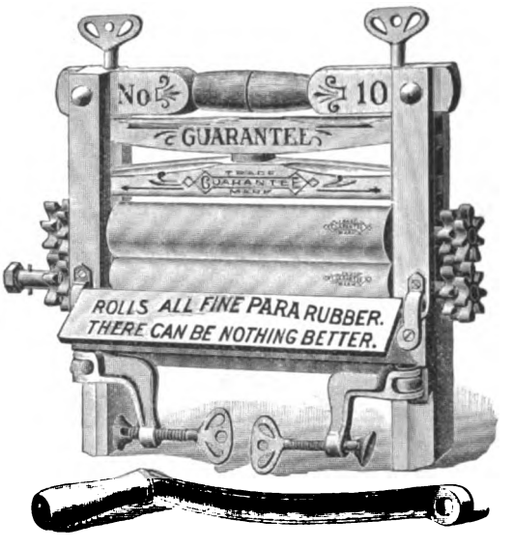
Write for Prices. **113 Chambers Street, New York.**

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The Guarantee Wringer.







WARRANTED FOR 5 YEARS.

DO YOU KNOW

That the Vital Part of a Clothes Wringer is the Rolls, and that CHEAP WRINGERS must necessarily have CHEAP ROLLS?

The "Guarantee" Wringer has the Best Roll it is possible to make.

By actual test the TRADE MARK **"GUARANTEE"** ROLL, run **474** hours, 53 revolutions per minute, under a pressure of 450 pounds.

The Rolls used in the Cheap clothes wringer under the same conditions last from 3 to 30 hours.

The "GUARANTEE" Wringer will last ten years for ordinary family use. The Cheap clothes wringer will last from 1 to 6 months.

FAC SIMILE OF **RED** TAG

Dealer must send this tag to the Manufacturer, when making claim for Roll.

From whom Purchased.....

Date.....

The Rolls in this Wringer are the and are Warranted for 5 YEARS for regular family use. If either of the Rolls are worn out within that time, return the Wringer AND THIS TAG, and a new Roll or Rolls will be furnished without charge

TRADE GUARANTEE MARK.

LOVELL MANUFACTURING CO., LIMITED, ERIE, PA.

One of which is attached to each Guarantee Wringer.

We make all Sizes, Styles and Grades of Clothes Wringers.

LOVELL MFG. CO., LTD, Erie, Pa.

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ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U. S. A.

BRANCHES: DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

LORING & PARKS, PLYMOUTH, MASS ESTABLISHED IN 1342.
TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

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BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
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BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.



Revolution in Washing Machines.

Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

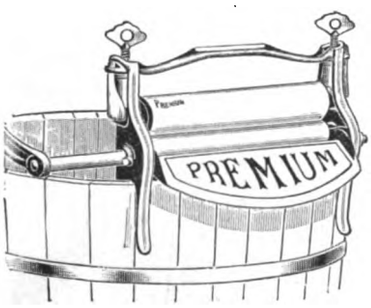
No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.





There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,
Manufacturers. MONTPELIER, VT.

SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

The "SAFETY" STOVE PIPE COLLAR AND HOLDER.

Patented.



Holds any pipe. Fits any flue. Absolutely soot and spark proof. Impossible for pipe to work loose. Neat, durable, inexpensive.

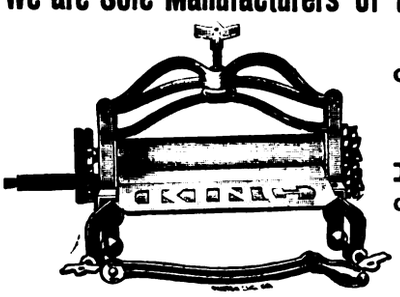
Liberal Discount to the trade.

One dealer in towns of 1,000 or less.

Write for Prices,

J. K. RANDLES, 309 MAINE ST., Quincy, Ill.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the ERIE and KING Wringers given to one dealer in each town.

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THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.



POSITIVE SECURITY

against sneak thievery by the use of

Shepardson's Key-Hole and Baggage Guard.

Sample by mail 75 cents. Illustrated circular and price list sent on application.

KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!

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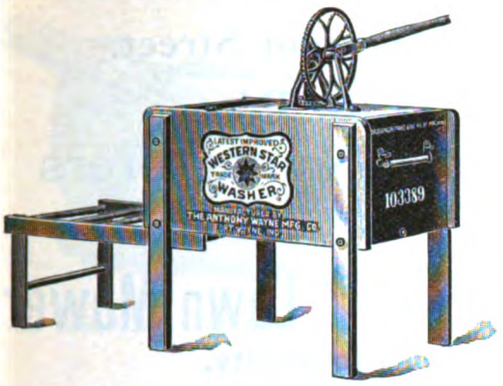
The ANTHONY WAYNE MFG. CO.,

Fort Wayne, Ind.

AND

St. Louis, Mo.

SOLE MANUFACTURERS.



No. 2 and 3 Western Star Washer.

The Western Star Washer.

This machine is too well known all over the country to require any extended remarks in regard to its utility. It has been in the market too long, and is known by thousands of housekeepers to be the standard family machine. The make-up and finish of our Western Star will be the same as heretofore, and will not be excelled by any other make.

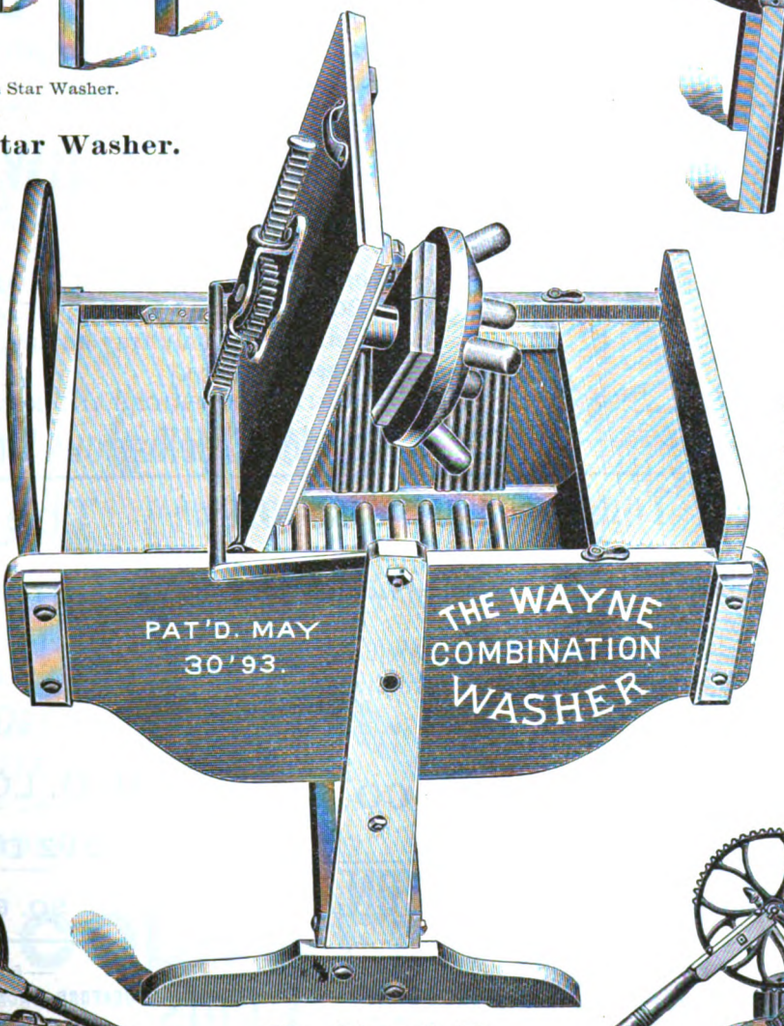
Write for discounts.



No. 5 Wayne American Washer.

The Wayne American Washer.

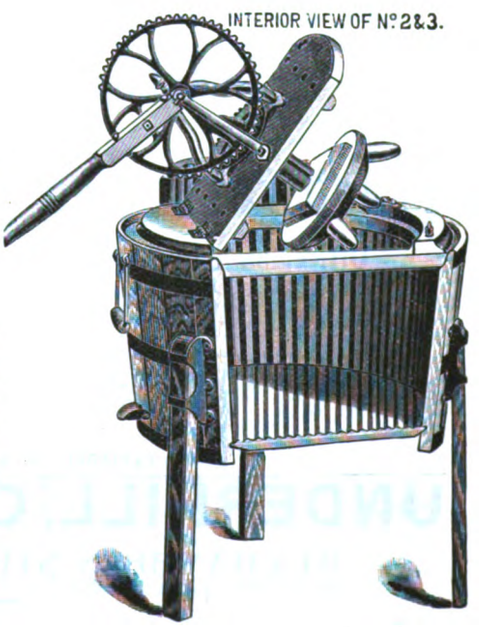
This machine we got up at the special request of some of our Western customers. It is of the same make and finish as our No. 2 Anthony Wayne. Staves and bottom are corrugated; in fact it is the No. 2 Anthony Wayne reversed.



No. 11 and 12, Wayne Combination Washer.

Our latest and best invention in Washing Machines, the Wayne Combination Washer. It combines the reciprocal Pin-Wheel motion with an oscillating movement of the whole sud box. Works fully one-third easier than any other machine that operates with a Pin-Wheel agitator, takes less water, is more simple in construction than any other machine on the market. Well made of the best yellow poplar, finished in excellent style. A thirty days' guarantee goes with every machine sold.





The No. 2 Anthony Wayne Washer.

This machine is of the same size and capacity as No. 1 Anthony Wayne, but instead of the loose crate, the staves and bottom of it are corrugated. It is made and finished the same as the No. 1, and warranted to do good work. Parties wanting a cheaper machine will do well to try this before buying any ot her.

All of the above styles are kept in stock and sold by

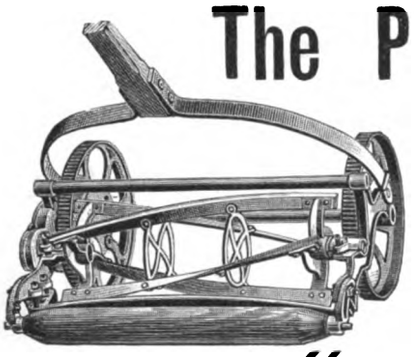
The Albany Hardware Co.

ALBANY, N. Y.

Anthony Wayne, No. 1.

This machine is our old stand-by much improved; the crate inside is independent of the tub and can be removed after the washing is done. The machine is of the same capacity as the No. 2 Western Star, is made out of white pine, painted and grained an ash color and finished in every respect first-class. It will wash five shirts at a time clean, without the use of a washboard, and is fully warranted in every respect.

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The Philadelphia Lawn Mower Co.,

3107 and 3109 Chestnut Street,

PHILADELPHIA, PA.

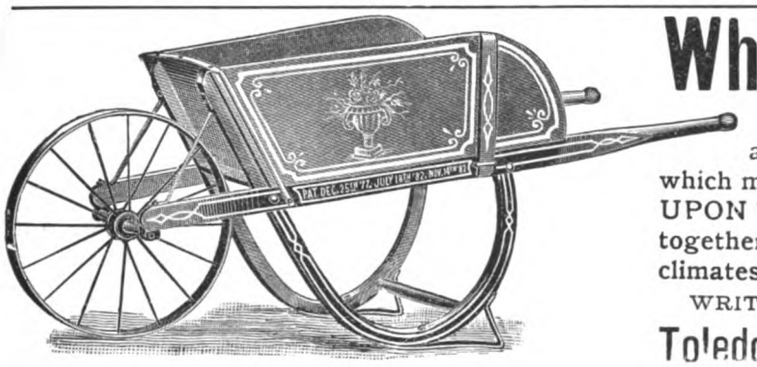
Patentees and Manufacturers

—OF—

The Genuine "PHILADELPHIA" Lawn Mower.

Unexcellent in Quality, Durability and Simplicity.

SEND FOR PRICES AND DISCOUNT.



Wheelbarrows

of all Styles,
of all Grades
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works. Toledo. O

"Self-Closing" Tomato Vine Supports.



READY FOR USE

A boon to every gardener.
A profitable article for every Hardwareman. Sells on sight.
Can be left in the ground all winter if you are "too tired" to take them in. $12 per gross.
For further particulars write

The LEWIS MFG. CO.,
UTICA, N. Y.



NOT IN USE

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

NEW YORK AGENTS FOR

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SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Largest stock in New York City, consisting of

O. Ames & Sons' Shovels, Spades and Scoops.

Utica Tool Co.'s Hoes and Rakes.

Knapp & Pratt Mfg. Co.'s Malleable Iron Rakes.

Chadborn & Coldwell Mfg. Co.'s Lawn Mowers.

David Wadsworth & Sons' Scythes, Grass Hooks, Wooden Rakes, Scythe Snaths, Scythe Stones, &c., &c., &c.

SHOE NAIL TACK & NAILS MACHINES.

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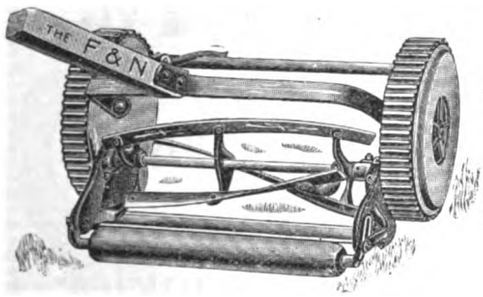
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The Standard American Mower.

All machines fitted with

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A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.

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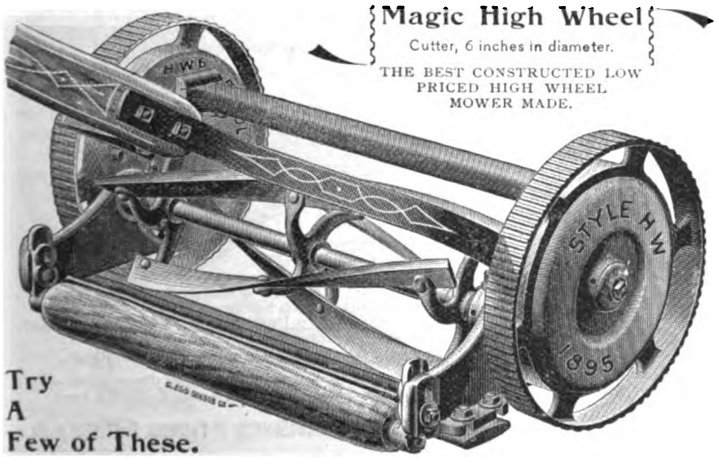
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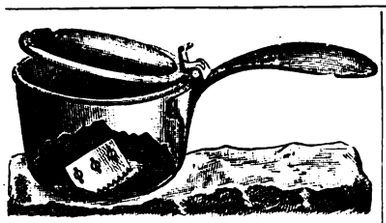
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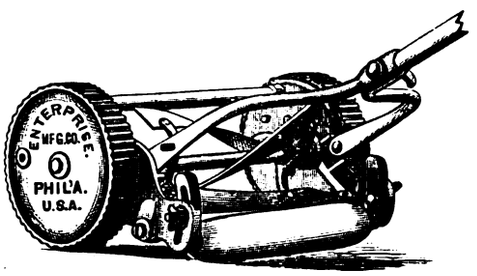
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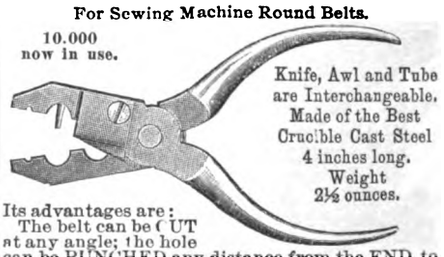
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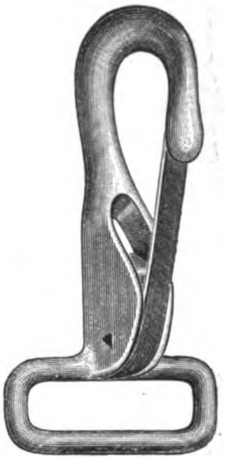
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TROJAN, 20.

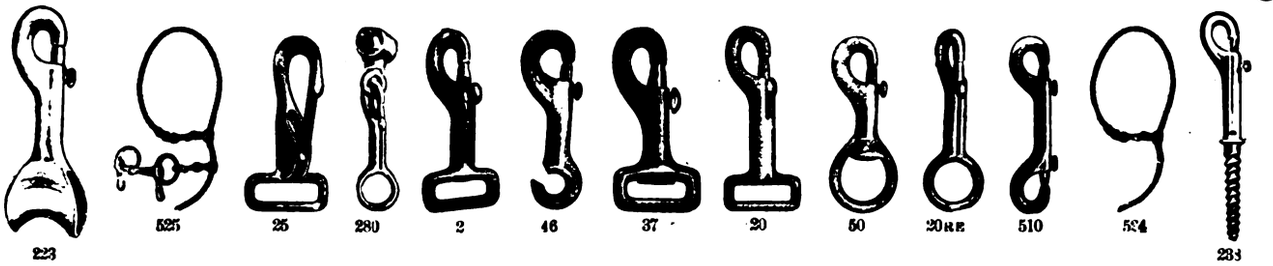


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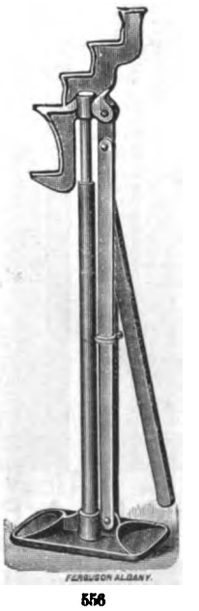


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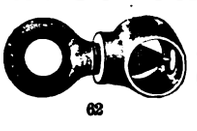
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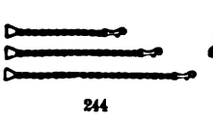
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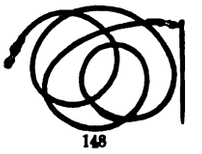
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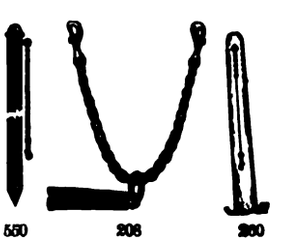
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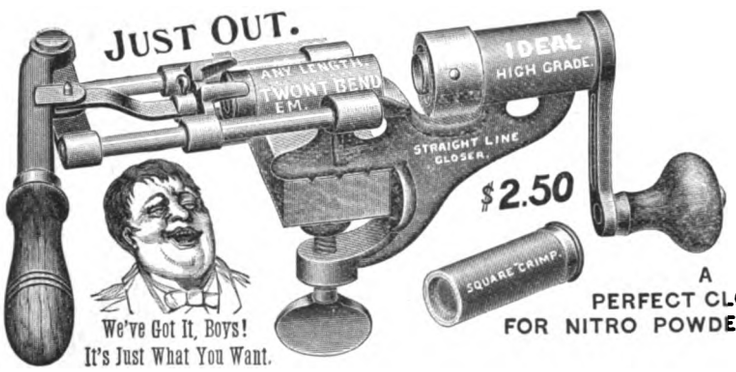
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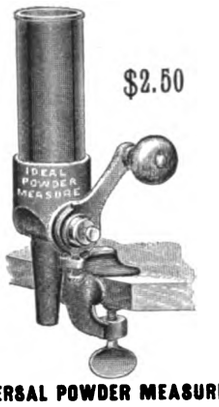
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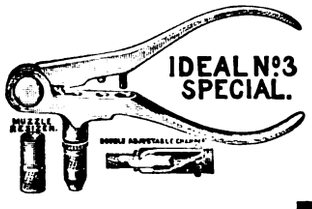
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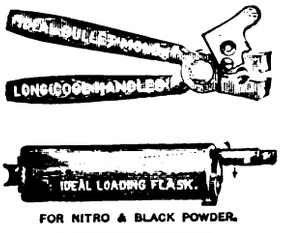


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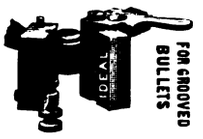
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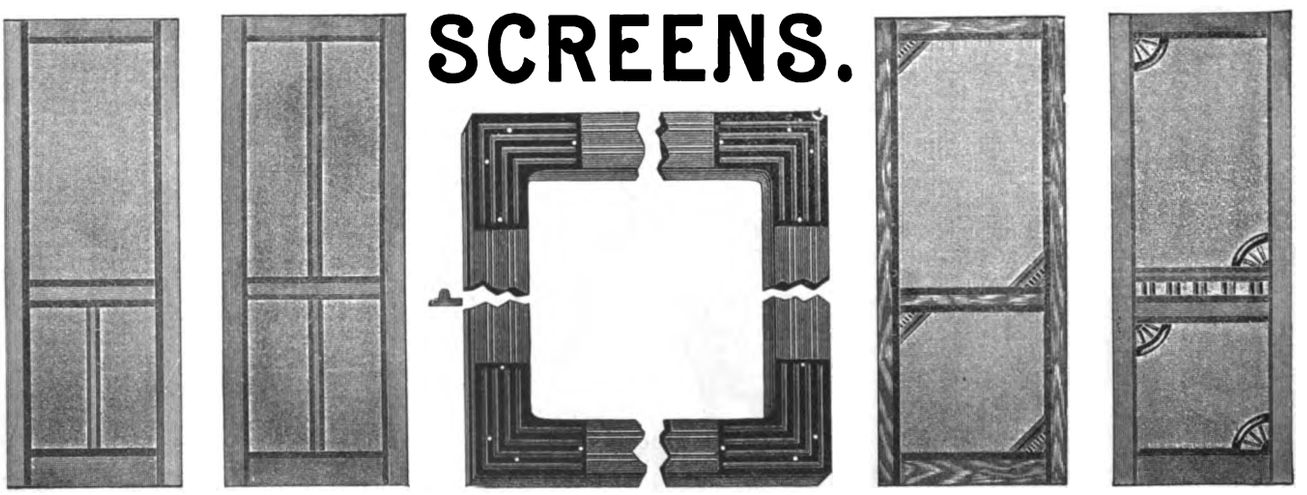
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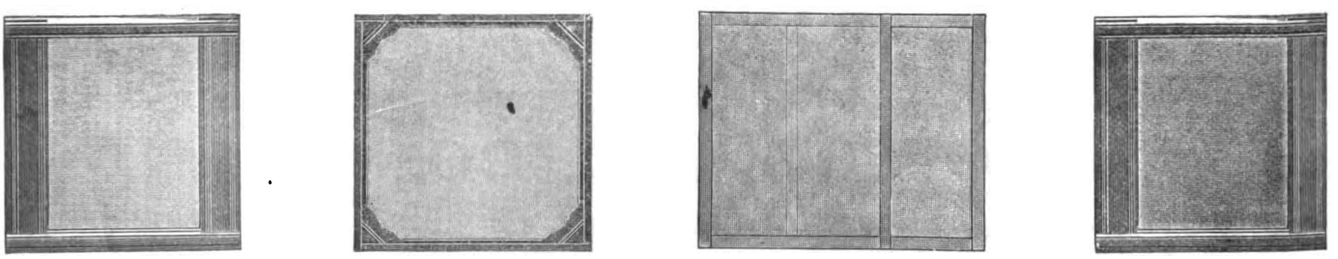
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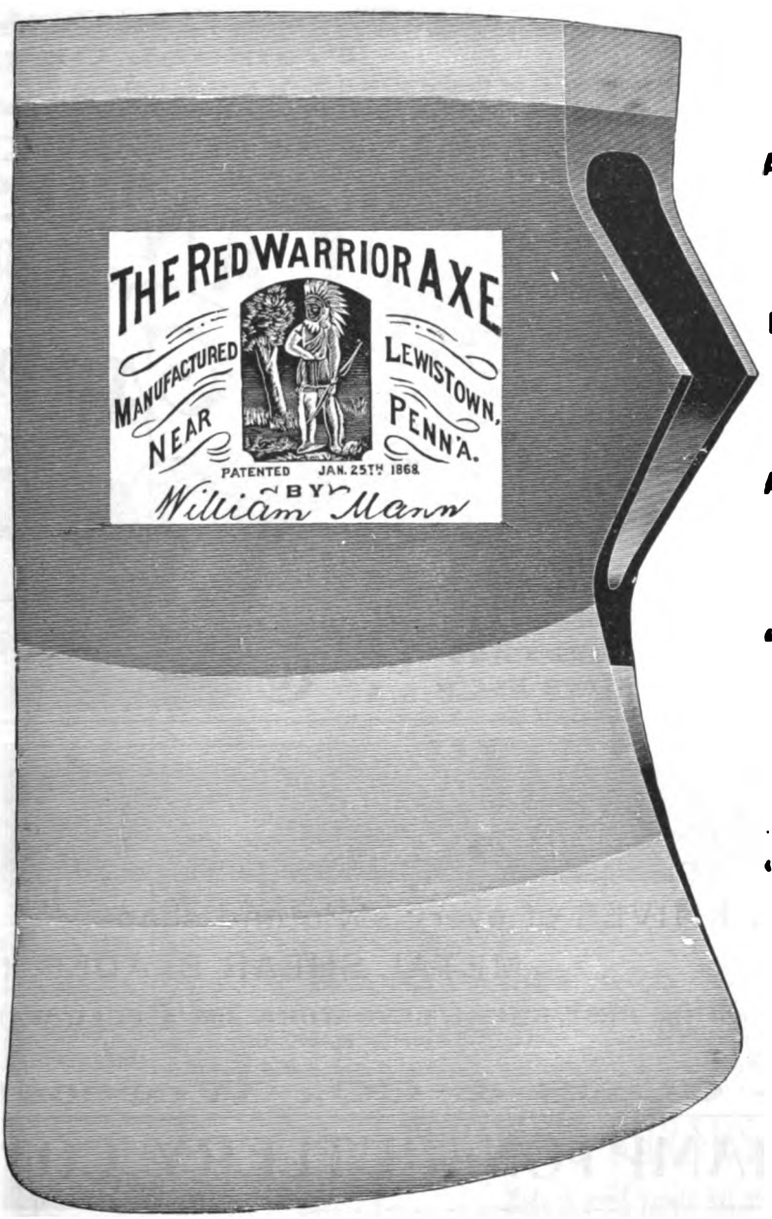
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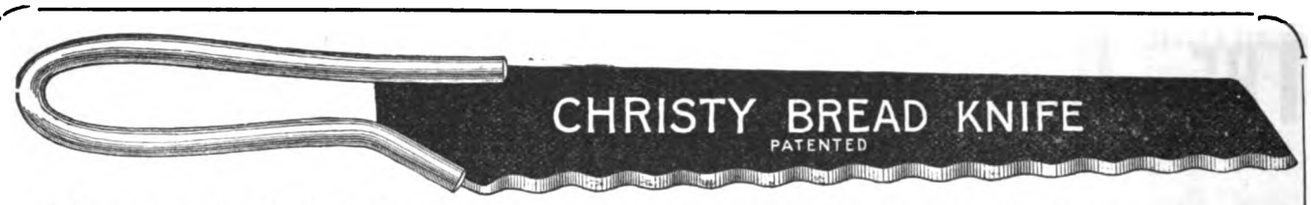
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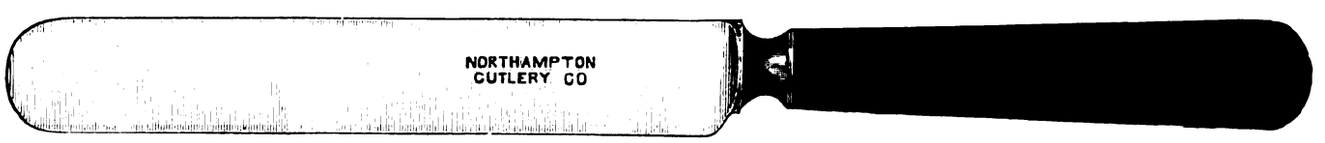


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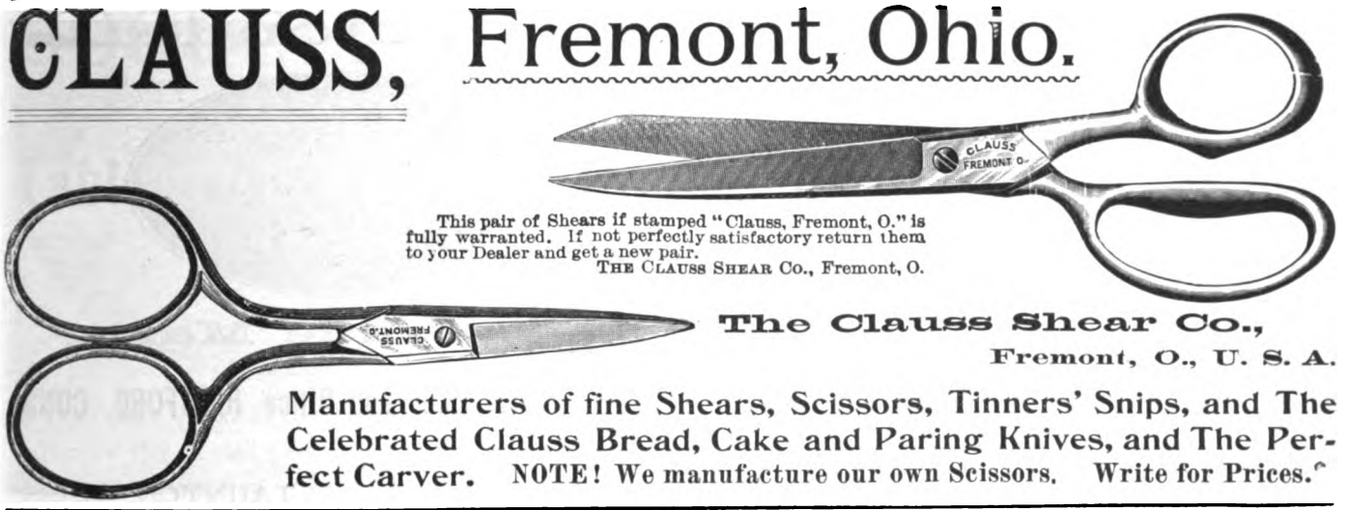
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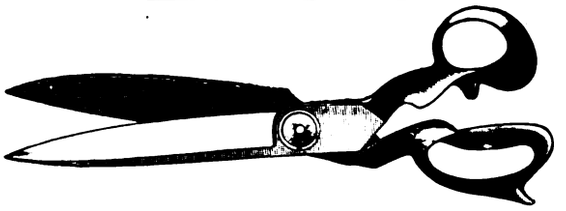
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MANUFACTURERS OF

Bolts, Nuts, Washers, Boiler Rivets,

Coach and Lag Screws, Set Screws, Tap Bolts, Etc.

All of the highest grade of excellence.

High Grade American Cutlery.

EVERY BLADE

HAND-FORGED

FROM BAR STEEL

AND FULLY WARRANTED.

Elliott W. Langley, 74 Reade St., New York

If you wish to learn something to your advantage, send for a sample copy of

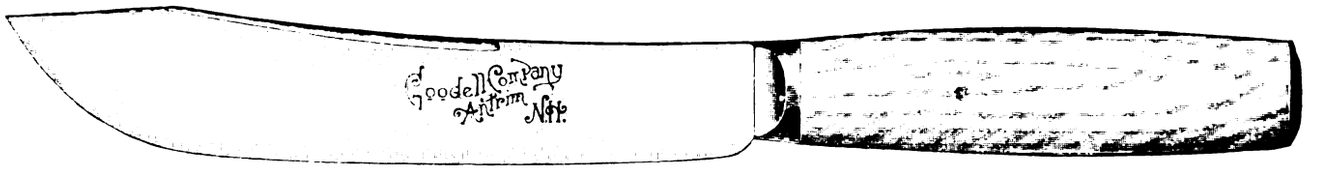
"HARDWARE."

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GOODELL COMPANY, ANTRIM, N. H.

MANUFACTURERS OF

Table Knives in great variety, Butchers, Carvers, Shoe Knives.

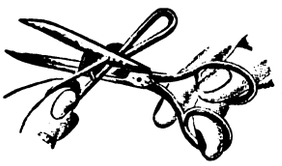


IN FACT JUST ABOUT EVERY THING IN THE KNIFE LINE EXCEPT POCKETS. ALL FULLY WARRANTED. PRICES ARE LOW NOW

— AGENTS: —

The Alford & Berkele Co., 77 Chambers Street, New York City.
Henry Keidel & Co., 25 Hanover Street, Baltimore, Md.
G W. Hodges, 708 Tacoma Building, Chicago, Ill.
M. G Rodearmel, 516 Boston Block, Minneapolis, Minn.
C. A. Maydwell, 23 Davis Street, San Francisco, Cal.

ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER



Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors Each one guaranteed. Sent by mail on receipt of 25c

EASTMAN & CO, 64 Reade St., New York.

IF IN WANT OF

Copper Tacks

OR

Brass Shoe Nails,

ADDRESS

Rome Tack and Nail Co.,
ROME, N. Y

SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

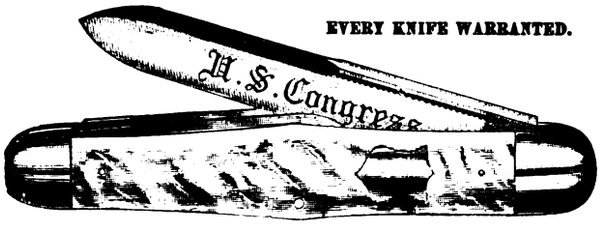
is the cheapest, and most profitable, because its contents are brough' directly to the notice of the Hardwaremen with nothing else to dtvert their attention. : : : : :

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.

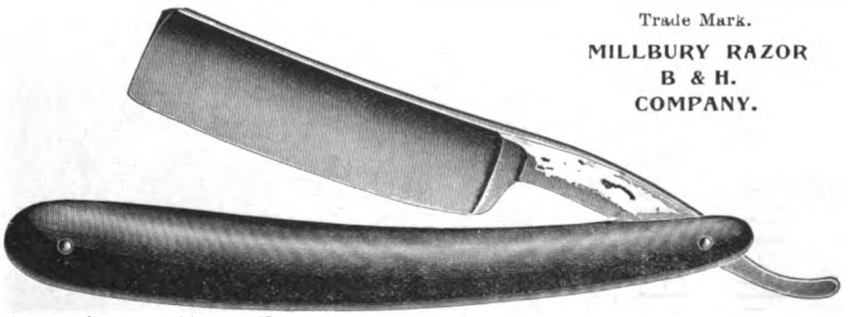
Highest awards at all Principal World's Fairs.



Two o the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.



Trade Mark.
MILLBURY RAZOR
B & H.
COMPANY.

WE manufacture nothing but Highest Grade Razors from the finest of English steel. Every razor hand forged and hand ground. Will exchange every one not proving satisfactory. Will be pleased to send sample orders on trial. Orders may be sent to **TOWER & LYON, No. 95 Chambers St., New York,** or direct to factory. We are the makers of the **Charles Huck Razor,** but hereafter all goods will be marked with the above trade mark unless otherwise ordered.

MILLBURY RAZOR CO., - MILLBURY, MASS, U. S. A.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.
THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.

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STANDARD AXES

WILL STAND THE TEST.

There are NONE BETTER

In Quality, Pattern or Finish.





Double-Bit Axes, Single-Bit Axes, Broad Axes, Bark Spuds, and Carpenters' Adzes.



Our Facilities Enable Us to Fill the Largest Orders Promptly and at Lowest Prices.

We Use No Drop Forge to Lessen

Cost of production, but make honest axes under the hammer that will stand the test.

SOLE AGENTS, **JOHN H. GRAHAM & CO.,**

P. O. Box 1042. 113 Chambers Street, New York.

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E. I. Du PONT De NEMOURS & CO.,

WILMINGTON, DELAWARE.



Smokeless Powder

For Shot Guns.

If you want a Smokeless Powder that is the same to-day, to-morrow, or after years of Climatic Changes, *YOU HAVE IT HERE.* Theretfore, your Shot Shells should be loaded with

Du Pont Smokeless.

Send Postal to us for Price List, with Directions for Loading; or to:

E. S. Rice,	No 62 Wabash Avenue,	Chicago, Ills.
Wm. McBlair,	No. 509 North Third Street,	St. Louis, Mo.
R. S. Waddell,	No. 21 East Second Street,	Cincinnati, Ohio.
Fred. J. Waddell,	Corner Eighth and Chestnut Streets,	Chattanooga, Tenn.
L. C. Thornhill,	No. 54 Gravier Street,	New Orleans, La.
D. W. C. Bidwell & Co.,	No. 143 Water Street,	Pittsburg, Pa.
Clinton Bidwell,	No. 14 West Swan Street,	Buffalo, N. Y.
Shoemaker & Voute,	No. 126 South Delaware Avenue,	Philadelphia, Pa.
H. P. Collins,	No. 22 South Calvert Street,	Baltimore, Md.
Arthur Hyndman,	No. 32 Pine Street,	New York, N. Y.
Geo. E. Smith & Co.,	No. 7 Central Wharf,	Boston, Mass.
S. C. Madden,	No. 1310 Eighteenth Street,	Denver, Col.
C. A. Haight,	No. 226 Market Street,	San Francisco, Cal.

Manhattan Commercial Agency,

OF NEW YORK.

For the Promotion and Protection of Trade



and the Collection of Past Dues and Accounts, Etc.

Offices: Tribune Building, New York.

Reports as to Personal Character and Habits a Specialty.

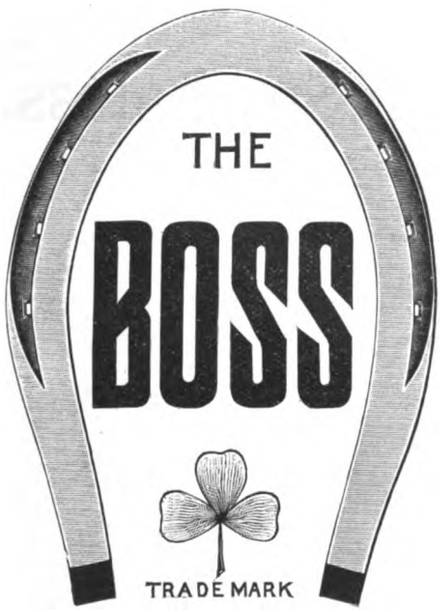
J. H. GILES, General Manager.

SUBSCRIPTION, $25.00 PER YEAR.

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The Bryden Horse Shoe Company,

Catasauqua, Pa.



Made in sizes 0 to 8.
Weights, 7 ounces each to 56 ounces each.

MANUFACTURERS OF THE
LARGEST VARIETY OF

HORSE SHOES

MADE BY ANY ONE
CONCERN IN THE WORLD.

AMONG OTHERS

IRON HORSE SHOES, Light, Medium and Heavy, . .

STEEL HORSE SHOES, Extra Light and Featherweight,



Made in four sizes.
Weights, from 1¾ ounces to 9 ounces each.
Made Plain and with patent
Toe Calk.

MULE SHOES, GOODENOUGH SHOES,
FROG PRESSURE SHOES, COWBOY SHOES,
HEAVY TRACTION PATTERN SHOES.

Racing Plates, Mud Plates, Trotting Plates,

KENT'S PATENT STEEL RIMMED ALUMINUM
RACING PLATE AND ROADSTER SHOE.

Send for Catalogue.

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Capewell Horse Nails,

"THE BEST IN THE WORLD."

— THE TESTIMONY OF —

SILAS S. PUTNAM,



THE **Pioneer and Veteran** **Horse Nail Maker.**

241 Neponset Ave., Dorchester, Mass.
Boston, January 18th, 1895.

The Capewell Horse Nail Co.,
Hartford, Conn.

Gentlemen:—In reply to your inquiry, I will say, that having had over forty years' experience as inventor, and manufacturer of Horse Nails, and having invented and patented the Putnam Horse Nail Machine, I am thoroughly conversant with the various methods and machinery employed in making Horse Nails, and I have no hesitation in saying that I consider the "Capewell" process far superior to any other known system, and that nails so made, have no equal in those qualities which are requisite in high grade Horse Nails.

I find the "Capewell" Horse Nails, while stiff enough to make the best driving nail, still are sufficiently soft to clinch well, and will hold the clinch.

These nails are very tenacious, their tensile strength, after many tests on the testing machine, proving greater by from *Forty to Fifty* per cent. than that of any other Horse Nail made.

I believe the "Capewell" Horse Nail to be **the safest to use, the best to drive, and the best to hold the shoe.**

You are at liberty to make use of this letter as you may see fit.

Yours truly, SILAS S. PUTNAM.

MADE BY **THE CAPEWELL HORSE NAIL CO.,** HARTFORD, CONN.

SEE NEXT PAGE.

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Capewell Horse Nails,

HAVE THE LARGEST SALE OF ANY HORSE NAILS IN THE WORLD.

G. J. CAPEWELL,



The Inventor of the Capewell Process.

CAPEWELL NAILS ARE:

"THE BEST DRIVING NAILS,"
"THE BEST NAILS TO HOLD," and
"THE SAFEST NAILS TO USE."

They Never Split in Driving.
They Never Crimp in the Hardest Hoof.
They are Flexible to Clinch, and the Clinch holds against any Strain in Service.
Their Perfect Points make a Clean Cut Hole in the most Brittle Hoof.
They are Absolutely Uniform in Length, Breadth and Thickness.

They are Made from the Best Swedish Iron Rods, specially imported, the quality of which is improved in compactness, tenacity, and uniformity of temper, by the Capewell process, **Controlled Exclusively by this Company.**

As demonstrated by actual mechanical tests at Chicago, **the Tensile Strength of the Capewell is One-Half greater than that of any other Nail made.** Thus it is that Capewell nails never break under the heads, but hold the shoe until it is worn out.

MADE BY

THE CAPEWELL HORSE NAIL CO., HARTFORD, CONN.

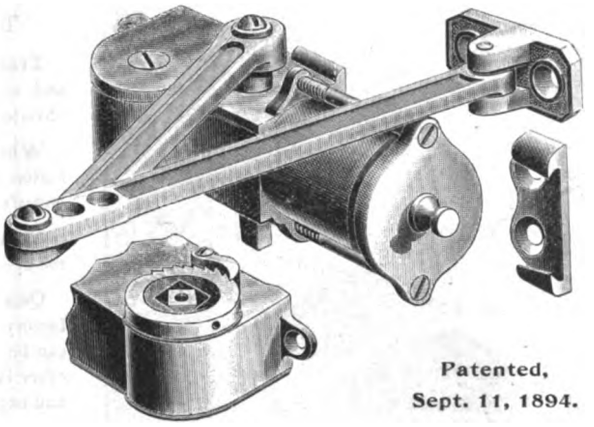
FACTORIES: Hartford, Conn., London, Eng.

BRANCHES:—New York, Boston, Philadelphia, Buffalo, Cincinnati, Detroit, Chicago, St. Louis, Denver, San Francisco, Portland, Oregon.

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The Royal Door Spring and Check.

There are Others,
But the Royal
Is the Best,
Latest and Cheapest.



Patented,
Sept. 11, 1894.

Door Opens Easily.
No Liquid to Freeze up or Leak.
Easiest Attachment.
Fit Right or Left Hand Doors.
Simple; Compact; Durable.

HAS A COMPRESSED AIR CHECK.

PRICE LIST:

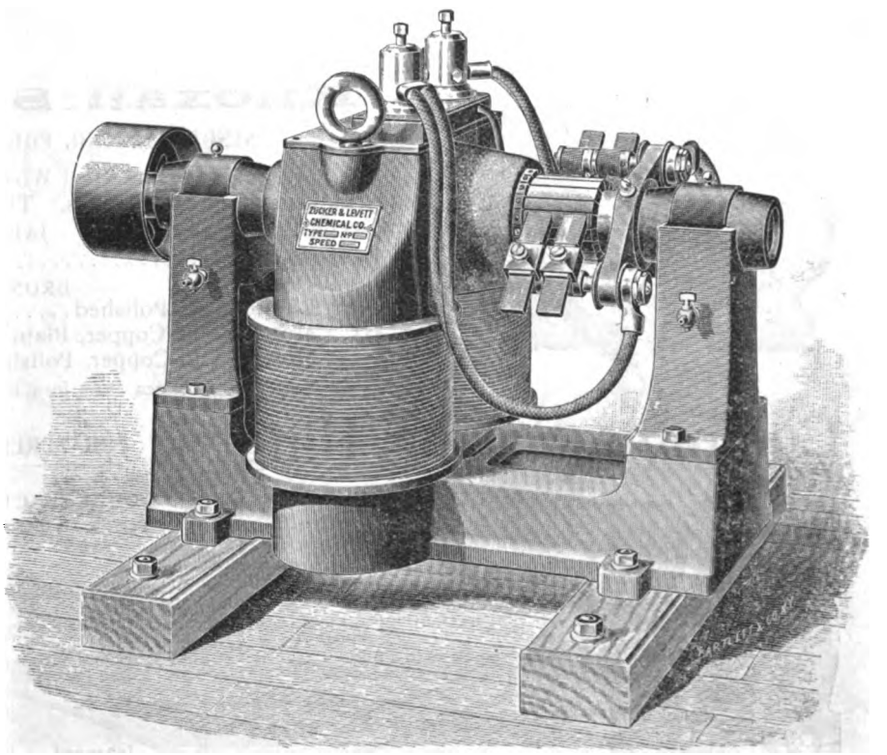
No. 1, for light screen doors	Japanned,	$2.40	No. 3, for large vestibule or hall doors	Japanned,	$4.30
No. 2, for medium inside doors	"	3.30	No. 4, for large store and church doors	"	5.60

Liberal Discount to the Trade.

W. H. QUINN & CO., General Agents,

103 Chambers Street, New York.

NICKEL ANODES,
NICKEL SALTS,
CYANIDE OF POTASSIUM,
CHLORIDE OF SILVER,
CARBONATE OF COPPER,
SULPHATE OF COPPER,
NITRATE OF SILVER,
LEATHER WHEELS,
WALRUS LEATHER,
BULLNECK LEATHER,
TANKS,
SOLUTIONS,
ROUGES,
TRIPOLI COMPOSITION,
CROCUS COMPOSITION,
BUFFS,
EMERY,
BRUSHES,
VIENNA LIME,
ACIDS,
ENDLESS BELTING,
POTASH,
LATHES,
FELT WHEELS.



American Giant Dynamo for Electro-Plating and Electrotyping.

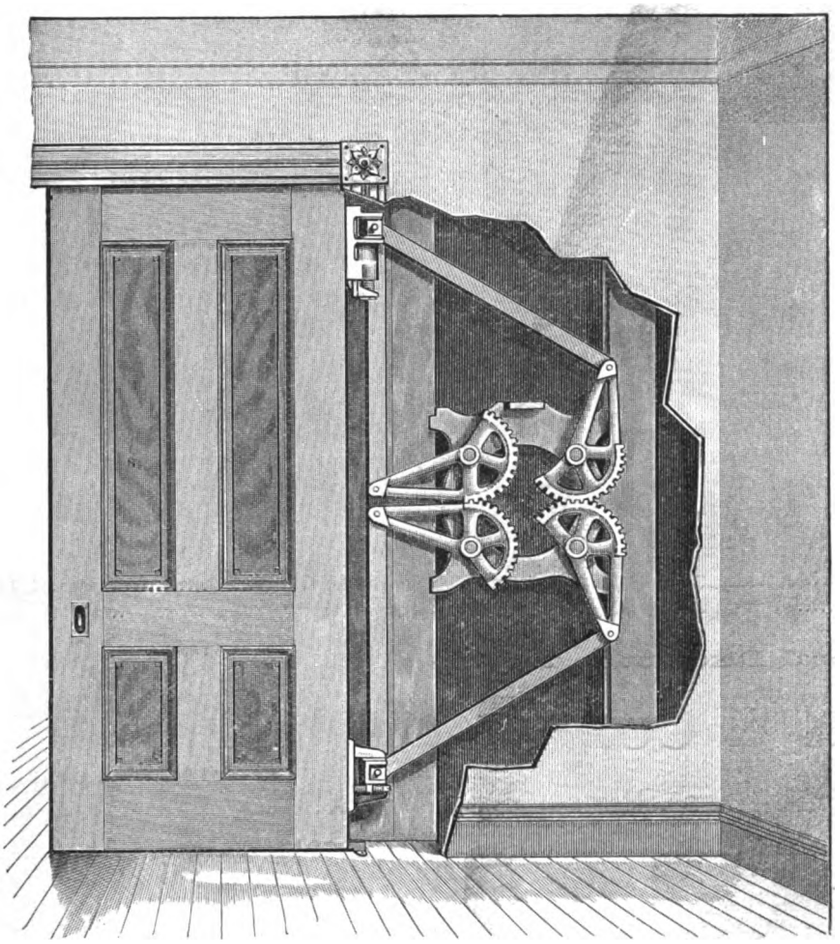
ZUCKER & LEVETT & LOEB CO.,

Manufacturers, Importers and Exporters,

526, 528 and 530 West 25th Street, New York.

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"American Trackless" Sliding Door Hangers



THESE HANGERS ARE:

Trackless.—The use of a track above or below and the special framing which it necessitates are obviated.

Wheelless.—There are no whee's to bind by reason of warped or sagging track. The movement is perfectly parallel and prevents binding.

Noiseless.—The hangers work noiselessly and the operation is extremely easy.

Quickly Put Up.—They are put together at the factory, and being very simple in construction, they can be put up in one-third of the time required for other Hangers, thus effecting a large saving in time and expense.

Easily Adjusted.—They are provided with a **gravity stop,** to be placed overhead between the doors, which allows the door to be drawn out of the pocket giving easy access to the adjusting screws by which the door can be raised or lowered and adjusted plumb.

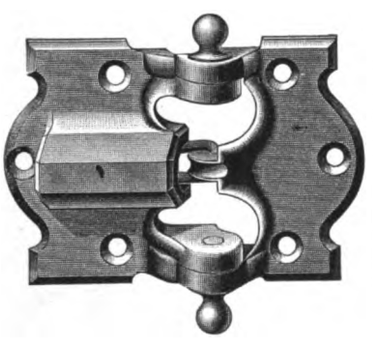
Substantial.—The different parts are made to carry three times the weight of ordinary doors of the sizes given below.

Compactly Packed.—They are packed (fully assembled and ready to be put up) one set in one crate, including all necessary bolts and screws.

No. 1. Full sets for Double Doors, each 2 to 4 feet wide.....List, $10.00
No. 2. Full sets for Double Doors, each 4 to 6 feet wide.....List, 16.00

Half sets for Single Doors, half price.

WORKING DRAWINGS, with full directions, will be found with each set.



"HOLDBACK."

Knoxall Spring Hinges.

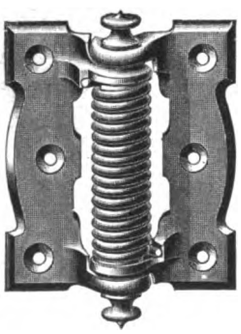
SINGLE ACTING, FOR SCREEN DOORS. Cast Iron.

The Springs are of fine Steel Wire, carefully tempered, permitting an easy and steady movement of the flanges. They will close a door or allow it to remain open, as desired.

		Per Doz. Pairs
	JAPANNED.	
No. 15		$3.00
	BRONZE PLATED.	
No. 215.	Light Color, Polished	10.50
No. 415.	Mottled Old Copper, Plain	6.00
No. 615.	Mottled Old Copper, Polished	10.50

One Dozen Pairs in a Box. One Gross Pairs in a Case.

Columbia Spring Hinges. FOR SCREEN DOORS.



SINGLE ACTING.

Surface, 3½x2½ inch.	Per doz. prs.
JAPANNED.	
No. 14	$2.50
BRONZE PLATED.	
No. 214. Light Color, Polished	$9.00
No. 414. Mottled Old Copper, Plain	5.25
No. 614. " " " Polished	9.00

One Dozen Pairs in a Box. One-half Gross Pairs in a Case.

DOUBLE ACTING.

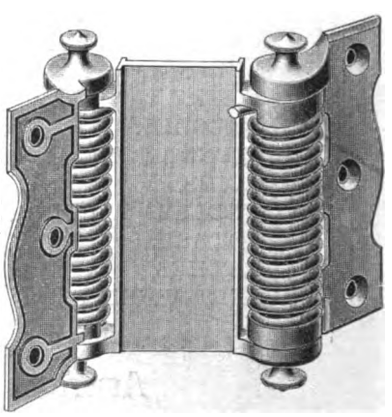
For 1 to 1⅛ inch doors.	Per doz. prs.
JAPANNED.	
No. 18	$6.00
BRONZE PLATED.	
No. 218. Light Color, Polished	$18.00
No. 418. Mottled Old Copper, Plain	12.00
No. 618. " " " Polished	18.00

Four Pairs in a Wooden Box. Two Dozen Pairs in a Case.

EXTRA FLAPS.

	Japanned.	Bronze Plated.
Per Dozen Pairs (24 pieces)	$1.00	$3.00

Two Dozen Pairs (48 pieces) in a Box.



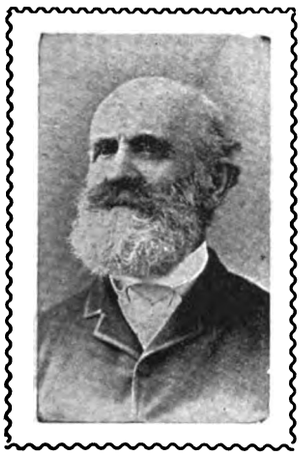
MANUFACTURED BY

Van Wagoner & Williams Hardware Co.,

Cleveland, Ohio, and 14 Warren Street, New York.

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FOR SALE



Hardware Specialties, Patterns and Good Will

At a Bargain.

I am so deeply interested in Real Estate that I will close out my stock of

Stair Rail Brackets, Best Styles, equal to any in the market, at **80 % discount.**

Best Harness Hooks & Wardrobe Hooks in market **80 % disc't**

Improved (Best Quality) Blind Adjusters, 70 % discount,

Ice Tongs, Door Hangers, Window Pulleys, &c., &c. Send for Circulars.

I will sell my patterns much less than cost and turn over my business which by a little time and effort (that I cannot give), parties who purchase can soon realize many times over their cost.

B. D. WASHBURN, **149 Congress Street, Boston, Mass.**

WIRE HANGERS

FROM MANUFACTURER TO DEALER. NO MIDDLE MEN'S PROFITS.

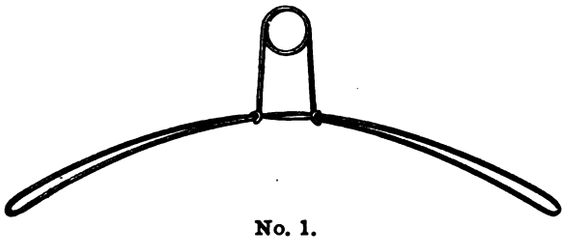
No Salesman's Traveling Expenses or Salary Added to Price.

FOR EARLY ACCEPTANCE

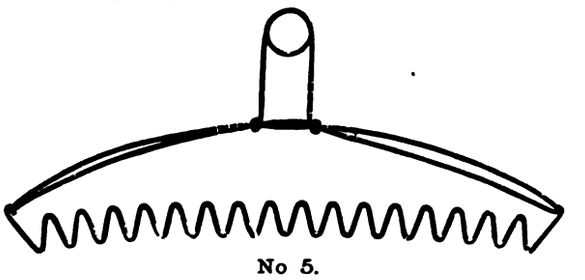
We offer you an assortment from our line of Wire Hangers suited to general wants, as follows:

FIVE LEADERS

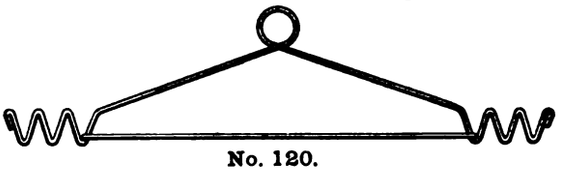
Substantially made of Coppered (Brown) Bessemer Steel Wire.



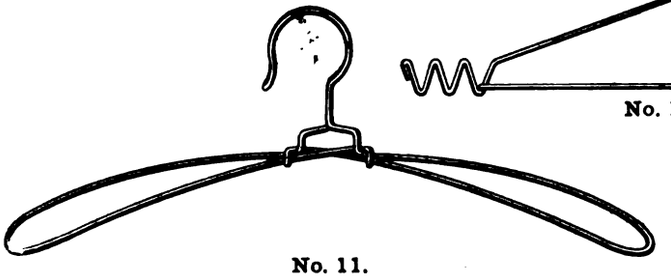
No. 1.



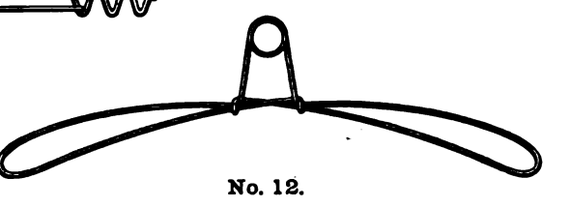
No 5.



No. 120.



No. 11.



No. 12.

1 Gross Assorted for $2.97. The assortment is made up as follows: 3 Doz. No. 1. 2 Doz. No. 120. 3 Doz. No. 11. 2 Doz. No. 5. 2 Doz. No. 12. 16 inches.

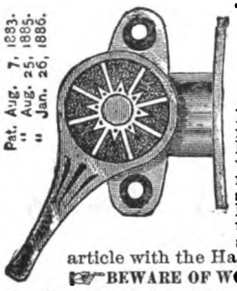
2 Gross for $5.36 or 3 Gross for $7.80. No Charge for Casing. Free on Board Cars, Hazleton, Pa. Terms: Cash with the Order.

We make price low for cash with order. Amounts too small to open book accounts. AVAIL YOURSELF OF THIS OPPORTUNITY.

SEND YOUR ORDER NOW TO THE

BARBER-KOENIG MFG. CO., No. 115 North Vine Street, Hazleton, Pa., U. S. A.

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THE CHAMPION SIDE SASH LOCK

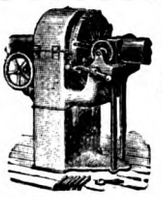
Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

BEWARE OF WORTHLESS IMITATIONS.

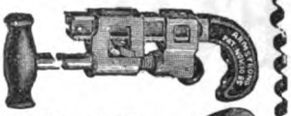
The Champion Safety Lock Co., Cleveland, O.







ARMSTRONG MANUFACTURING CO.



BRIDGEPORT, CONN.

PIPE THREADING and CUTTING OFF MACHINES.



STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

Our Catalogue will interest you.



NEW YORK OFFICE: 139 CENTRE ST.

Art Hardware

adapted to the requirements of every style of Architecture. "Vassar" Cylinder Locks and Fine Bit-Key Locks of all kinds.

WAREHOUSES:

New York,	Philadelphia,	Chicago,
96 & 98 Reade St.	514 Commerce St.	73 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.



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The Yale & Towne Mfg. Company

MANUFACTURERS OF

The Yale Locks
Art Metal Work
Builders' Hardware

General Offices: 280 Broadway, New York.



ARCADIAN.

Line in Wrought Bronze and Steel in Various Finishes.

Y&T

New Products

CUTS ONE HALF SIZE.



CUTS ONE HALF SIZE.

Bicycle Sprocket Lock.

No. K 4—1 x 1⅞.
Wrought Brass. Wrought Steel.



ARNO.

New and Complete Line in Cast Iron with "Old Copper" Finish.

WAREROOMS:

New York, Boston, Buffalo,
Chicago, Philadelphia, San Francisco.

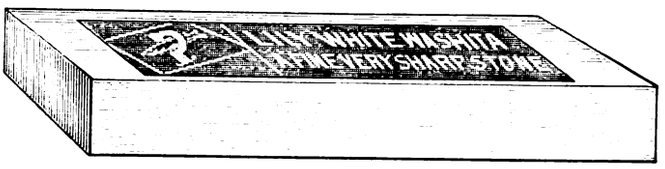
WORKS:

Stamford and Branford Conn.

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MERIT WINS!

Pike's Lily White Washita Oil Stone



IS A FAST FAVORITE WITH ALL FIRST-CLASS MECHANICS AND ALL USERS OF EDGE TOOLS.

Pike's "Natural Grit" Carving Knife Hone



IS THE BEST, SIMPLEST AND CHEAPEST KNIFE SHARPENER. Sells on Sight.

For SHARPENING SCYTHES any intelligent farmer will select Pike's



INDIAN POND or BLACK DIAMOND

Scythe Stone in preference to any other make.



Send for Illustrated Catalogue of

Scythe Stones, Oil Stones, Water Stones, Razor Hones,
Sand Stone, Cutler's Stones, Polishing Stones and Powders, etc,

☞ A handsomely silk embroidered show case mat, 14x12 inches, will be included with every order filled during the next two (2) months, or mailed on application to our customers.

THE PIKE MFG. CO.,

PIKE STATION, N. H.

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Cream Cans and Cream Can Trimmings.



Cream Cans

With Plain Covers.
With Deep Covers.
With Extra Deep Covers.
Self-Locking.

Fairmont Cream Can Gauges.



Cream Can Trimmings.

Cream Can Bottoms, IX, IXX, IXXX.
Cream Can Covers, Plain, Deep, Extra Deep.
Self-Locking Trimmings.
Ears, Lugs and Bails.

The Geuder & Paeschke Mfg. Co.,

MANUFACTURERS.

Milwaukee, Wisconsin.

NEW GALVANIZED WATERING POTS.



Improved Spouts. Deep Deflected Bottoms.

MADE OF GOOD MATERIAL.

Galvanized after being put together.

THE BEST LOOKING AND BEST MADE WATERING POT YET OFFERED.

MADE ONLY BY

MATTHAI, INGRAM & CO.

ALSO MANUFACTURERS OF A FULL LINE OF

Stamped, Pieced and Japanned Tinware, Mottled Enameled Ware, Galvanized Iron Ware, and Sheet Metal Goods.

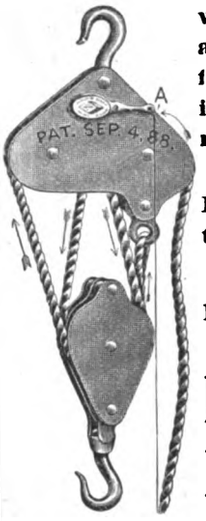
Factory and Salesrooms, BALTIMORE, MD.

NEW YORK BRANCH
42 Cliff Street.

CHICAGO: 237 Lake Street.
G. M. Richardson in charge

THE

"Sure Grip" Steel Tackle Block



will hold load at any point without fastening the rope; it is the best on the market.

It pays Hardware Dealers to handle them.

Send for Catalogue.

ESTABLISHED 1852.

Fulton Iron & Engine Works

26 Brush Street, Detroit, Mich.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

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Organized as a State Bank 1853. Incorporated as a National Bank 1865.

CAPITAL, $1,000,000.

THE NATIONAL
SHOE AND LEATHER BANK

OF THE

CITY OF NEW YORK,

271 Broadway, corner Chambers Street.

John M. Crane, President, John A. Hiltner, Vice-President,
John I. Cole, Cashier.

This Bank has been fully re-organized and solicits accounts, offering to depositors every facility warranted by their business, balances and responsibility.

The Bank also acts as reserve agent for National Banks and New York State Banks.

DIRECTORS:

JOHN M. CRANE, P.esident.
THOMAS RUSSELL, Treas. of the Clark Mile-End Spool Cotton Co.
THEODORE M. IVES, of the Willimantic Linen Co.
JOSEPH S. STOUT, Stout & Co, Bankers.
ALONZO SLOTE, of Treadwell & Slote.
JOHN R. HEGEMAN, Pres. of the Metropolitan Life Insurance Co.
JOHN N. BEACH, of Tefft, Weller & Co.
HALEY FISKE, Vice-Pres. of the Metropolitan Life Ins. Co.
JAMES G. CANNON, Vice-President of the Fourth National Bank.
WILLIAM C. HORN, Pres. of Koch, Sons & Co.
FRANCIS B. GRIFFIN, of C. E. Jennings & Co., Jennings & Griffin Mfg. Co,
JOHN A. HILTNER, Vice-President.

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Highest Award

FOR

Supreme Excellence.

TO

The PUTNAM Hot-Forged and Hammer-Pointed Horse NAILS,

Philadelphia, - - - - - 1876.

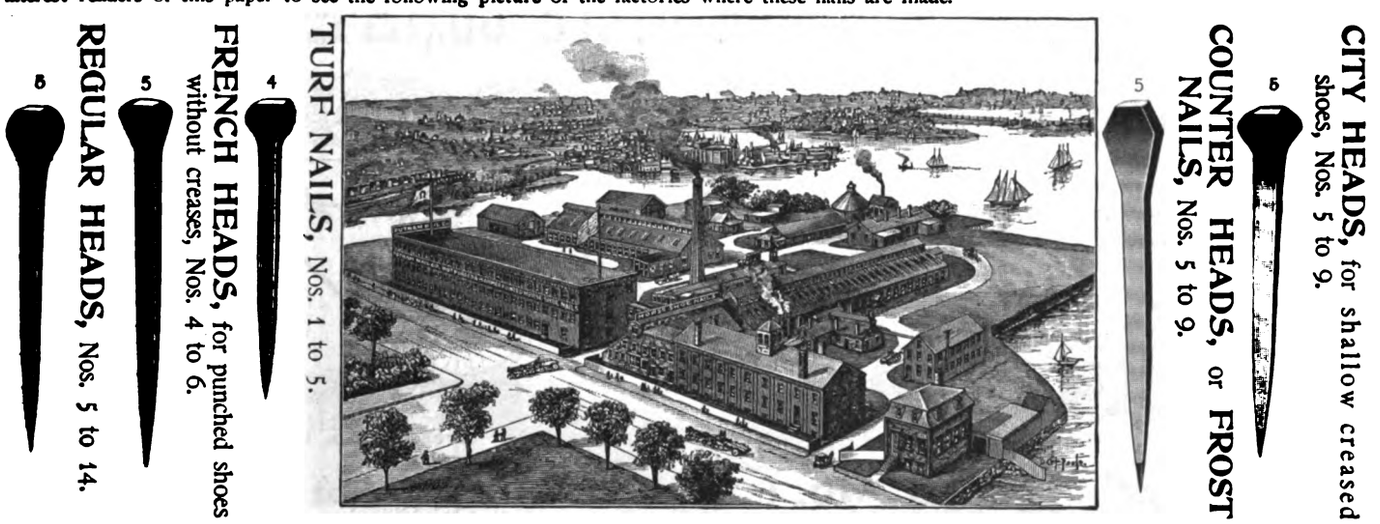
Chicago, - - - - - - 1893.

San Francisco, - - - - 1894.

A BIRD'S-EYE VIEW OF THE GREAT FACTORIES

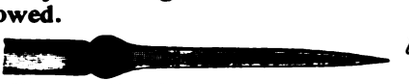
Where the Putnam Nails are Made.

For many years the name "**Putnam Nail**" has been a **familar household word** in the homes throughout America. It may therefore interest readers of this paper to see the following picture of the factories where these nails are made.



The Putnam Nail Company's Factories at Neponset, a suburb of Boston, Mass. Ten acres of ground are occupied by this plant, and about 160,000 square feet or nearly four acres of floor space in the buildings. More than four hundred people are employed. The daily product exceeds eight tons of nails that are sent to every part of the world.

The Putnam Nail is the only exclusively Hot-Forged and Hammer-Pointed Horse Nail in the world. In its manufacture the old hand process is followed.

Forged from end of rod,  *by hammers only.*

It is impossible for a Putnam Nail to **Split, Sliver** or **Break** when it is driven into the horse's hard hoof because in the process that is employed in their manufacture the metal is firmly welded into a perfectly sound, tough nail that is **absolutely safe** and outwears all others.

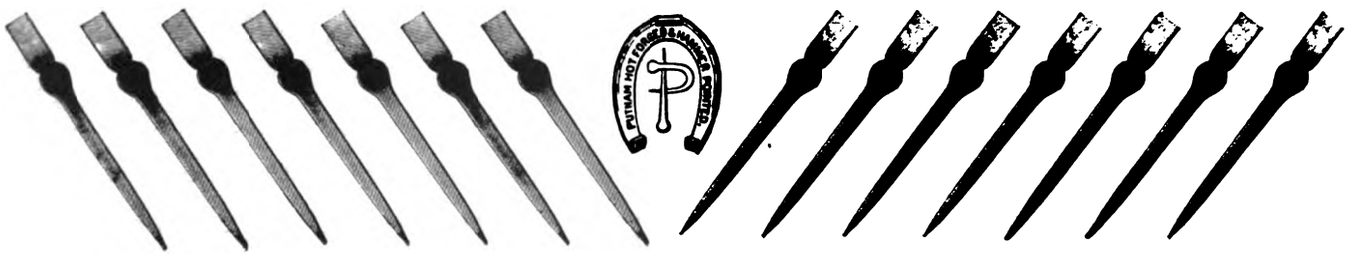
SEE THAT YOUR HORSE IS SHOD WITH PUTNAM NAILS.

They are not sheared but have smooth edges clear to the point.

DANGEROUS NAILS. There are Nails called, by their makers, "hot-forged," which really are also "cold-rolled" and "clipped." The process of their manufacture is liable to separate the fibres of the iron and cause the nail to split.

Examine your nails. If the **edges** are smooth for the whole length, they are the **Hot-Forged Putnam.** If they show marks of the shears near the point, they are cold-rolled and sheared.

PUTNAM NAIL CO., Neponset, Boston, Mass.



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HAVE YOU SECURED YOUR AGENCY FOR 1895?

IF YOU INTEND SELLING A HIGH GRADE WHEEL

The Monarch

DON'T TAKE AN AGENCY FOR AN UNKNOWN BICYCLE.

In every State from Maine to California
IS THE SYNONYM FOR EXCELLENCE
And is acknowledged by all to be
The Most Perfect Wheel in the World.

MADE IN FIVE PERFECT MODELS.

WEIGHTS, 18 to 25 POUNDS. PRICES, $85 and $100.

IF YOU WILL ONLY EXAMINE "THE MONARCH"
YOU WILL TAKE THE AGENCY FOR NO OTHER WHEEL.

EASTERN BRANCH:
99 Reade St., N. Y. MONARCH CYCLE CO., C F. GUYON CO., Ltd. Managers.

CRESCENT BICYCLES

HIGHEST GRADE — LOWEST PRICES



Crescent No. 1, $75.

$75 NO. 1 (FOR MEN). 28 in. Wheels, 23 lbs.
NO. 4 (FOR LADIES). 26 in. Wheels, 22 lbs.

The most salable line of wheels on the market. All sizes, all prices.

$50 NO. 2 (FOR YOUTHS). 26 in Wheels, 21½ lbs.
NO. 5 (FOR MISSES.) 26 in Wheels, 24 lbs.

MONEY CANNOT BUY BETTER WHEELS.

$40 NO. 3 (FOR BOYS). 24 in. Wheels, 21 lbs
NO. 6 (FOR GIRLS). 24 in. Wheels, 22 lbs.

Reliable Agents wanted where we are not now represented. Catalogue Free.

Factory, Chicago, Ill. WESTERN WHEEL WORKS, Eastern Branch, 35 Barclay St., N. Y

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CYCLOMETERS.

AMERICAN INDICATOR CO.,
LAWRENCE, MASS.

No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.
Descriptive circulars on request.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

AGENTS, ATTENTION!

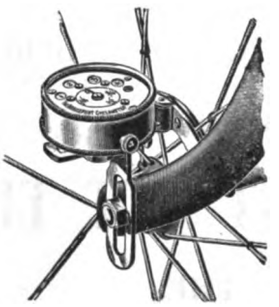
The *Puritan* has more good talking points than any other bicycle made. Send for our catalogue, read and be convinced.

O. J. FAXON & CO., Makers,
3, 5 & 7 Appleton Street, Boston, Mass.

The Liberty | **America's Representative Bicycles.**

Our line for 1895 is unexcelled. We solicit coroespondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,
4 WARREN STREET, NEW YORK.



"JUST THINK OF IT!"
15,000 BRIDGEPORT CYCLOMETERS SOLD DURING 1894.

The "BRIDGEPORT" is the only Cyclometer which has given universal satisfaction and is

WORTH ITS WEIGHT IN GOLD.

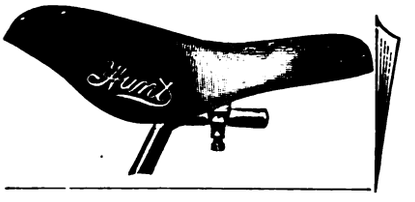
Made in three styles, Models "A," "B," and "C."
For 26, 28 and 30 inch wheels. Sold by all dealers at **low prices.**

MODEL "A" registers 1000 miles accurately and repeats. MODEL "B" registers 1000 miles accurately, repeats and rings a bell at every mile. MODEL "C" registers 10,000 miles accurately and repeats.

"FULLY GUARANTEED."

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313½ B'way, New York



Request that

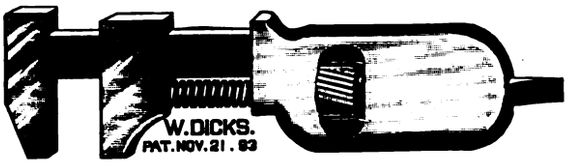
Hunt Saddles

Be used on all Wheels ordered for your '95 trade, as they are popular and durable. Write for information. . . . . .

HUNT MANUFACTURING CO.,
Westboro, Mass.

R. B. McMULLEN & CO,
Chicago, Ill. and New York

Housekeepers like this tool
Cycle riders want it. **It is SO handy**



—We are Making Special Price to Hardware Dealers.—

Spaulding Machine Screw Co. Buffalo, N. Y.

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NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

Nicholson Increment Cut Files.

These files, in the quarter century they have been on the market, have worked their way into such universal use as to build up the *largest* file plant in existence, and to-day this plant is inadequate to meet the demand for these goods. Can there be any better recommendation than this?

FACTORY No. 1 at PROVIDENCE, R. I.

The Largest and Most Complete File Works in the World.

PRODUCES

NICHOLSON INCREMENT CUT FILES AND RASPS

THE

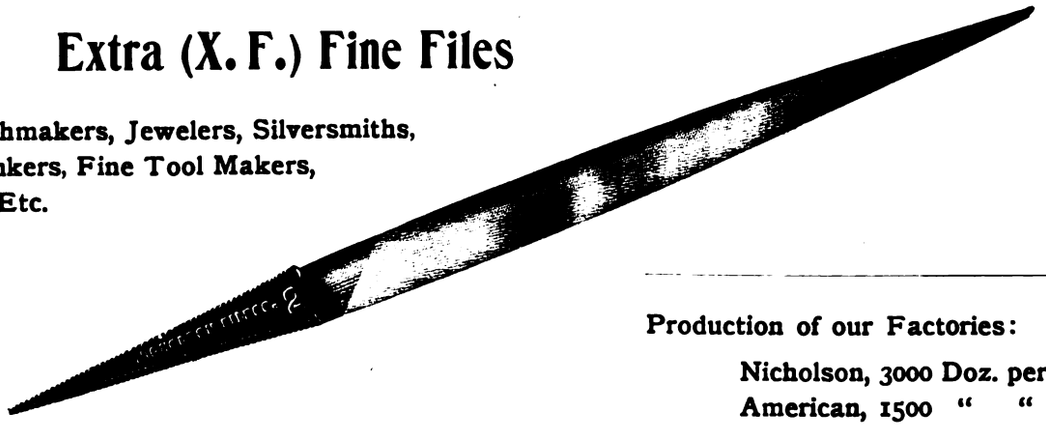
Acknowledged Standard Files of America.

Factory No. 2 at Providence, R. I.

PRODUCES

Extra (X. F.) Fine Files

For Watchmakers, Jewelers, Silversmiths, Diesinkers, Fine Tool Makers, Etc., Etc.



Production of our Factories:

Nicholson,	3000	Doz.	per	day.
American,	1500	"	"	"
X. F.,	500	"	"	"
Total,	5000	Doz.	per	day.

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NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

Nicholson's American Brand.

All over the country there is a class of trade that wants a *good file,* but the question of cost is an essential item for consideration, hence the need for a cheaper brand of files had to be met. This need is met both as to cost and quality of our American Brand, and the purchaser gets more for his money than for any other file with which its price brings it in competition.

FACTORY No. 3 at PAWTUCKET, R. I.

PRODUCES

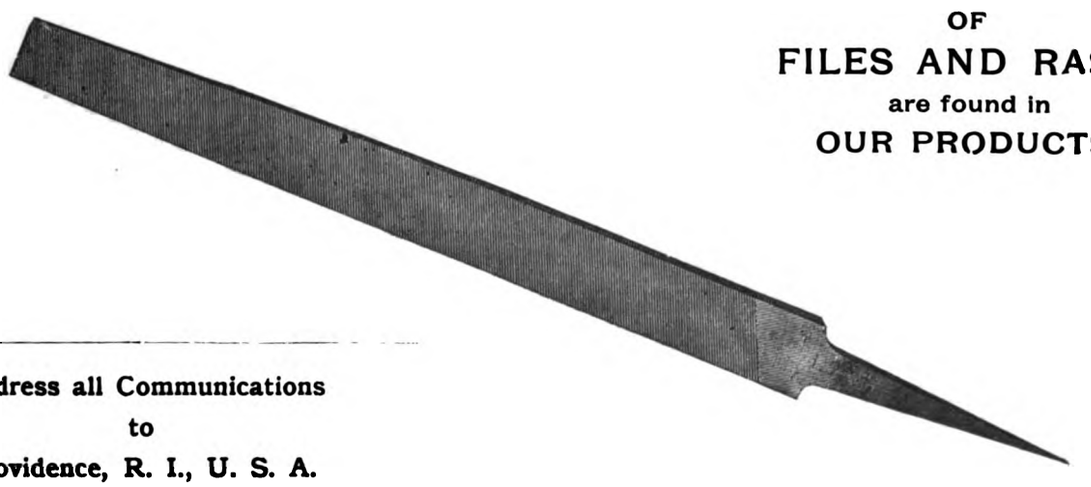
AMERICAN BRAND OF FILES AND RASPS

MADE FROM THE

Best Quality of Fine Steel

AND

Warranted for Cut and Temper.



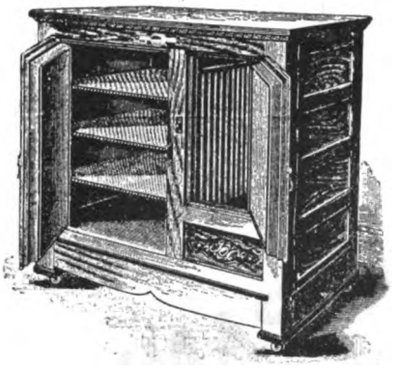
3000 VARIETIES
OF
FILES AND RASPS
are found in
OUR PRODUCTS.

Address all Communications
to
Providence, R. I., U. S. A.
Send for
Catalogue and Price Lists.

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The Automatic Refrigerator

has more good points and does better work than any other, and for that reason is a better seller. Our illustrated catalogue for 1895 tells all about the line. Its advantages are:



Perfect circulation.
Large condensing and purifying capacity.
It has no flues to cause it to smell bad.
The trap is inside where it cannot be misplaced or lost.
The drip pipe may be cleaned without disturbing anything in either chamber, and is entirely out of the way.
It has nine walls to protect the ice and to maintain a uniform temperature in the cooling chamber.
It has woven wire provision shelves that are superior.
It has superior hardware.
It is more capacious and convenient.
Flavors of foods will not mix.
Last but not least, it's different, and will bring new customers and new trade.
We want the leading dealers to handle our goods and but one dealer in a place.
The goods are made of ash, and well finished.
For catalogue and discount address:

COLUMBIA REFRIGERATOR CO.,
Northville, Wayne Co., Mich.



K. & E.
SPRING JOINT STEEL RULES.

K. & E.
Pocket Rules, plain and with springs.

These rules sell well wherever shown. Trade price list on application.

SCALES, PLUMB-BOBS, THUMBTACKS, &c.

· ENGRAVED ·

ORDER BLANKS

Blank Forms for Remittances

DESIGNED ESPECIALLY FOR HARDWAREMEN.

Something Elegant. Send for Specimen.

THOMAS PUBLISHING CO.,

PHILADELPHIA, PA.

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Columbia Washing Machine

Made of best Virginia White Cedar.
All Trimmings, Castings, etc. Galvanized.



An Easy Seller.
Prices and catalogue gladly sent on application.

RICHMOND CEDAR WORKS,

RICHMOND, VA.

MANUFACTURERS OF WOODENWARE.

Mention HARDWARE.

MANUFACTURED BY **TROY FILE WORKS,** TROY, N.Y.



The Brownies quickly discover the value of an ELECTRIC LAWN MOWER SHARPENER.

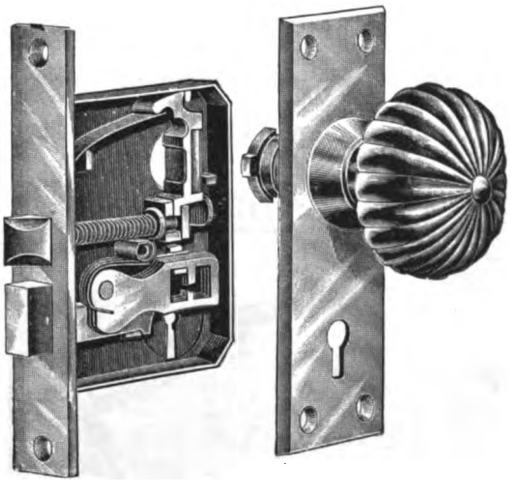
PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

CHICAGO HARDWARE MANUF'G CO.,

MANUFACTURERS OF

CHICAGO LOCKS AND KNOBS.



CHAMPION SPRING HINGES.

M. C. WARREN & CO.,

New England Sales Agents.

9 Dock Square and 59 Elm St., BOSTON, MASS.

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AT THE TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McParlin

THE NATIONAL SAW CO.

GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of SAWS Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists

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THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents. Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at : · :

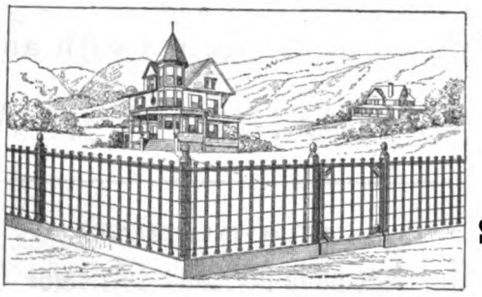
75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : : :

J. H. SEED, Manufacturer,
21 & 23 Centre Street, New York.

KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents ou Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market. ∴ ∴ ∴

Send for Illustrated Circular and price list.

Woodman's Patent Ticket Punches & Speed Indicators,



—Manufactured by the—

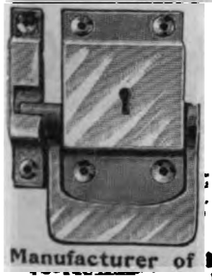
R. WOODMAN MFG. & SUPPLY CO.,
63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—





The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

THIS FASTENER is the most complete one ever invented The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY

P. J. CONROY,
PHILADELPHIA PA.

WE ARE AGENTS FOR

WM. JESSOP & SONS' Cast Steel.
WASHBURN & MOEN MFG. CO.'S Wire Rope.
BOSTON BELTING CO.'S Rubber Goods.
ALEXANDER BROS'. Oak Tanned Belting.
JARECKI MFG. CO.'S Steam Fittings, etc.
PEET VALVE CO.'S Valves.
ERICSSON Hot Air Pumping Engines.
Chicago Emery Wheels.
Black Diamond Files.
RUSSELL & ERWIN'S Screws.
P. & F. CORBIN'S Builders' Hardware.
LANDERS, FRARY & CLARK'S Table Cutlery.
GENEVA TOOL CO.'S Agricultural Tools.
SAMUEL WINSLOW SKATE MFG. CO.'S Ice Skates.

WRITE US FOR PRICES.

THE W. BINGHAM CO.,
146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

WITH THIS NEW

Garden Cultivator



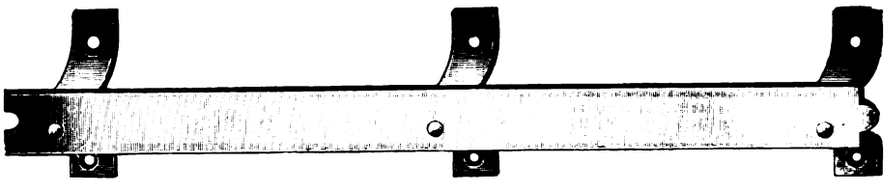
A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG, CO., ROCK FALLS, ILL.

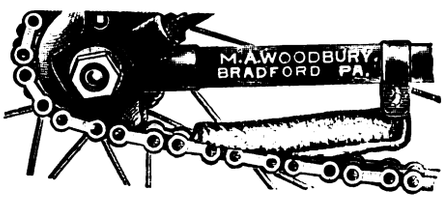
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STEEL BARN DOOR TRACK.



Our Track can be used in connection with any Standard Hanger.

McKINNEY MFG. CO., - ALLEGHENY, PA.



WOODBURY'S
Automatic Dry Chain Lubricator and Duster for Bicycles
—HAS NO EQUAL.—
Weight, ½ oz. Price, 25 cents.

COPPER RIVETS & BURS.

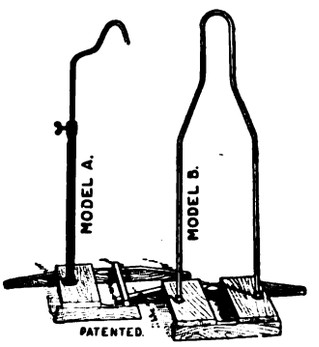
PRICES NO HIGHER. PROMPT SHIPMENTS.

CLENDENIN BROS., - - BALTIMORE, MD.

WOOD MANTELS.



—THE—
Pittsburg Stand
IS THE BEST.
Simple, Strong, Portable, Cheap.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME.
—Price, $1.00 Each.—
For Sale by Leading Bicycle Dealers.
—Manufactured by—
Wm. M. Justice & Co.
PITTSBURG, PA.
Liberal Discount to the Trade.

Howard Iron Works,
BUFFALO N. Y.
Manufacturers of
Bench Vises.
Price Lists sent on application.

TUDOR IRON WORKS,
ST. LOUIS.
Manufacturers of
ARROW TEETH, MINING RAILS, SPIKES.
TRACK FASTENINGS.

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CLAPP & COMPANY, BANKERS AND BROKERS,

Mills Building, New York.

Issue their

WORLD CROP LETTER,

THURSDAY, MARCH 28th. *COPIES SENT APPLICANTS FREE OF CHARGE.*

NEW HAMMERLESS DOUBLE GUN.



This GUN has rebounding locks, and the BARRELS CAN BE TAKEN OFF AND PUT ON AGAIN WITHOUT COCKING THE ARM, and when cocked the hammers may be let down gradually, and without the full force of the blow. It is simple in construction, having very many less pieces than any other hammerless gun.

MANUFACTURED BY

FOREHAND ARMS CO.,

WORCESTER, MASS.

Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

Send for Descriptive Catalogue. **Price Very Low.**

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, **PARKER BROS.,** MAKERS, **Meriden, Conn.**

NEW ADJUSTABLE BENCH LEVEL.

WITH GROUND AND GRADUATED VIAL.

4-6 and 8 inch.



Three Sizes.

MANUFACTURED BY

C. F. RICHARDSON & SON.

25 MAIN STREET, ATHOL, MASS.

Manufacturers of Iron Levels and Carpenters' and Architect's Transits.

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10 Qualities, from $45.00 Upwards.

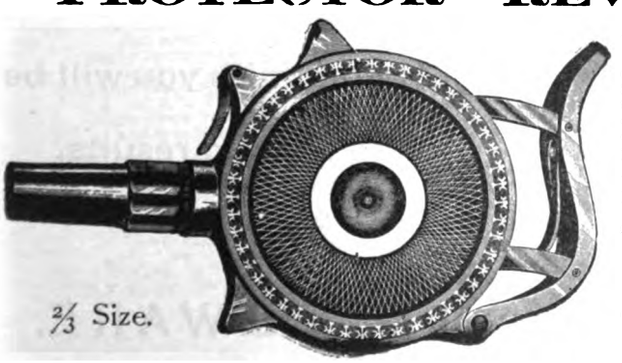
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Complete Catalogue of Remington Firearms on application.

REMINGTON ARMS CO., - ILION, N. Y.

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"PROTECTOR" REVOLVER.



A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

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With which the finest quality of cream can be produced in Four Minutes.

As features of especial merit we claim:

A STRONG, waterproof tub, bound with heavy, galvanized iron hoops that fully protect the tub, and do not fall off; the gearing completely covered, so that nothing can get between the cogs. Cans full size and made of the very best quality of charcoal tin plate; beaters of malleable iron and tinned; all castings attached to the tub nicely galvanized to prevent rusting. It is the only Freezer in the world having the CELEBRATED DUPLEX DASHER, WITH DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by the use of which cream can be frozen in less time, yet finer and smoother than can possibly be produced in any other Freezer now in use.

Get the Best. All Leading Jobbers Sell Them.

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MADE OF
Best Virginia White Cedar,
AND
Drawn Steel Bottom Cans.

SOLD BY LEADING JOBBERS.







HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

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EQUALLED BY NONE
IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

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Nothing is too good for your chain.
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ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....83 @ 85c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 55c
G. D.....27 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2½
Rim Fire Military.....15&2½
Cent. Fire, Pistol and Rifle.25&5&2½
Cent. Fire, Military and Sporting 15&5&2½
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2½
Blank Cartridges, 32 cal.....$3.50 2½
Primed Shells and Bul'ts...15&5&2½
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00.....2½
B. L. Caps (for Sturtevant Shells) $ 1.00.....2½
All other Primers.....$1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2½
First quality, 14, 16 and 20 gauge $7.50.....20&10&2½
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2½
Brass Shot Shells, 1st quality..60&2½
Brass Shot Shells, Club, Rival and Climax.....65&2½
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....8 to..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8.....1.50..P.E., 7.....1.60
20&25
SHOT—
Drop Shot, sizes smaller than B, 25-₤ bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-₤ bags, ₩ bag.....$ .80
Drop Shot, B and larger sizes, 25-₤ bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-₤ bags, ₩ bag.....$ .85
Buck and Chilled Shot, 25-₤ bags, ₩ bag.....$1.35
Buck and Chilled Shot, 5 ₤ bags, ₩ bag.....$ .85
Dust Shot, 25-₤ bags, ₩ bag....$1.75
Dust Shot, 5-₤ bags, ₩ bag....$ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs.....25₤ $3.25
12½₤ 1.90
6¼₤ 1.10
Rifle special, kegs.....25₤ 4.25
12½₤ 2.40
6¼₤ 1.35
Creedmoor, kegs.....6¼₤ 1.10
Ducking, kegs.....6¼₤ 3.00
[For 1-₤ lots 10% discount.]
Blasting and Mining, A..25₤ 3.00
Blasting and Mining, B..1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each.....12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤.....1.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ₤.....3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤.....1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤.....1.10
"V. G. P." for Trap Shooting, in Kegs 25 ₤.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤.....1.35
Mealed Powder, in Kegs, 25 ₤. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤.....2 00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤.....1 50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black.....1.70
Drum, equal in bulk to 10 ₤, best black.....8.25
Drum, equal in bulk to 50 ₤, best black.....41.00
Drum, equal in bulk to 100 ₤, best black.....82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ ₤ 9c.....1f@15 & 5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9½c
American "Horse-Shoe".9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.65%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 20&10&10%
Screw and plug.....35&10&10%
HOLLOW AUGERS—
Ives.....3⅛@3⅜&10%
French, Swift & Co..33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ dos. $30.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $36; 2, $15.....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive.....35&10&10%
Sargent's Expansive.....20&10&10%
GIMLET BITS—
Diamond ₩ dos. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....60&10&5@60&10%
Cleveland.....50&10&5&60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....2@25&10%
Snell's.....25&2½&10%

Awls—
Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ dos., $1.50..35&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ dos. $7.50; No. 20, ₩ dos. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@35&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....₩ dos. 9.00
Yankee.....₩ dos. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ dos. 15.00
Firemen's.....₩ dos. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ dos. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ dos. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ dos.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%
HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—
Straight Spring balances.....40%
Common 24 ₤.....₩ dos. 80c net.
Circular Spring Balances....50&10% No. 2000 20 30
Chatillon's ₩ dos. 80 90c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....30%

Bells—
HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....35%
Francis Kell & Son Trip Gongs...50%
CHIME—
Multi-Stroke.....55%
Young, Abbe's.....4 %
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&5%
Crank, Taylor's.....25&10%
Crank, Brooks'.....30&10&5%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&2½
Pull, Brooks'.....30&10&5%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per dos. $36.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....60&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....50&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—
Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....60&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War, 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—
Morrill's No. 1, $10.00 per dos.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ dos. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $8..40&10%
McGill's.....₩ dos. $8.....10%
Terrell & Vroom, No. 1 and 2, $8; No. 3, $3.60 ₩ dos.....25%
Millers Falls ₩ dos. $4.50.....25%
Wm. Johnson's:
7¼x½x1, ₩ doz. $11.00.....50
9x½x1, ₩ doz. $12.00.....50%
Bit Holders—
Extension:
Millers Falls Barber's, ₩ dos. $15 50%
Ives' ₩ dos. $30.00...60&5@60&10%
Blind Adjusters—
Domestic.....₩ dos. $6...33⅓%
Excelsior..₩ dos. $10.00...50&10&2½
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $1.00.....20%
Austin & Lddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....35%
Mackerell's, ₩ doz. $2.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co.....50@50&10%
Moores Novalty.....50%
Moore's Chain Differential Pulley20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....20%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &c.—
Common.....30&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. H. & W., old list.....70&55%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%
TIRE—
Common, list Feb. 28, '88.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '88.....65%
Keystone, Phila., list Oct. '84...80%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84....80%
Eagle Phila., list Oct. 16, '84....80%
Bay State, list Feb. 28, '88.....75%
B. R. & W., list Oct. 16, '84.....80%
STOVE AND PLOW—
Stove.....55%
Plow.....55%
R. B. & W., Plow.....60%
MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7 00.....33⅓%
"New Easy" Bolt Clipper, $9.00.33⅓%

Bone Mills—
Enterprise.....30%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 45@ 45&10%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50.... 25%

Bow Pins—
Humason & Beckley.....30&10%
Sargent & Co.'s $17 and $18.50..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—
Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.15
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%
Amidon's:
Barker's Imp'd Plain..75&10@80%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net. ₩ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%

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Door Screen....70&10%
Reading, plain....60&10%
Reading, Rosette....70&5%
Hand Rail....60&10%

Bright Wire Goods—
Standard list....85&10%

Bull Rings—
Union Nut Co....55%
Sargent's....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s....50%

Butcher's Cleavers—
Bradley's....25@30%
L. & I. J. White....30&5%
Beatty's....40@40&5%
New Haven Edge Tool Co.'s....40%
P. S. & W....33⅓&5@33⅓&10%
Dunlap's Family....25%
Foster Bros....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary....25&10%

Butt Gauges—
Stanley's....20&10&10%

Butts—
BRASS—
Wrought Brass....80&80&10%
Cast Brass, Tiebout's Fast Joint..50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow....50&10&5%
Fast Joint, Broad....50&10&10%
Loose Joint....75&10%
Loose Joint, Japanned....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts....65%
Mayer's Hinges....71%
Loose Pin, Acorns....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow....
Fast Joint, Lt. Narrow....
Fast Joint, Broad....
Loose Joint, Broad....
Table Butts, Back Flaps &c....
Inside Blind, Regular....
Inside Blind, Light....
Loose Pin....
} 40%
Bronzed Wrought Butts....66⅔%

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00....25%
A. S. Henn....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka....₩ doz. $2.50....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star....₩ doz. $2.20
Sprague, No. 1, $2.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00....40%
Domestic, ₩ doz. $2.50....50%
Champion, ₩ doz. $2.00....60%
New Scott Mfg. Co.'s list....20&10%
Leavitt's Common Sense ₩ gro $7.00....50%
Kohler's Cyclone....₩ doz. 75c
Kohler's Lightning....₩ doz. 90c
Moore's....70%

Caps—
See Ammunition.

Cards—
Horse and Curry....25%
Cotton....25%
Wool....25%

Carpet Stretchers—
Cast Steel, Polished....₩ doz. $2.25
Cast Iron, Steel Points, ₩ doz. 85c 20%
Bullard's....30%
Dunlap's....25%
Wm. Johnson's Socket....50%

Carpet Sweepers—
Bissell's:
Grand....₩ doz. $36.00
Gold Medal....₩ doz. $27.00
Prize....₩ doz. $27.00
Premier....₩ doz. $27.00
Superior....₩ doz. $27.00
Cosmopolitan....₩ doz. $27.00
Furniture Protector, Japanned....₩ doz. $24.00
Furniture Protector, Nickel....₩ doz. $27.00
Inter Ocean....₩ doz. $27.00
Hall....₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1....₩ doz. $21.00
Domestic, No. 2....₩ doz. $22.00
Excelsior....₩ doz. $22.00
Garland....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned....₩ doz. $24.00
Improved Parlor Queen Nickeled....₩ doz. $27.00
Parlor Queen....₩ doz. $24.00
Standard....₩ doz. $24.00
Make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters—
Bed....
Plate....
Shallow Socket....
} Brass...60% Others..65%
Deep Socket....60%
Martin's Patent(Phœnix)..45&10@50%
Tucker's Patent, low list....50%
Payson's Anti-friction70@70&10&10%
Yale Casters, list May, '84....50%
Yale Gem....70%
Giant Truck Casters....45&10%
Stationary Truck Casters....60%
Socket Truck Casters....60%
Swivel Truck....60&10&10%
Store....55%
Gwinner's Common Sense....40%
Gwinner's Hercules....45%

Catches and Turns—
Cupboard Catches....70&10&10%
Transom Catches....60%
Cupboard Turns....60%
Closet Catches....70&10%
Screen Door Latches....70%
Screen Door Catches....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches....50%

Cattle Leaders—
Coverts Saddlery Works....33⅓&
Humason, Beckley & Co.'s....70%
Sargent's....70&10%
Seymour Smith & Sons....30%
Peck, Stow & W. Co....40%

Cow Ties—
American....60&10%
Triumph....33⅓&
Covert's Horse and Cattle:
Jute....33⅓&
Manilla....33⅓&
Sisal....33⅓&

Chain—
Trace, 6-10-2, ₩ pair, $1.08....60&10%
Trace, 6-10-3, ₩ pair 92c....60%
Trace, 7-10-2, ₩ pair $1.11....60%
Log, Fifth Stretcher, and other fancy Chains....55@60%
German Coil....60%
German Halter Chain....60%
Oneida Halter Chain....60@60&5%
Covert's Rein Chains....33⅓&
Covert's Breast Chains....33⅓&
Covert's Hitching Chains....33⅓&
Galvanized Pump Chain....₩ ft 6c
Jack Chain, Iron....75@75&5%
Jack Chain, Brass....60%
Plumbers....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W....
New Haven....
Witherby....
Mix....
} 75@75&10%
C. E. Jennings & Co....25%
Douglass....75@75&10%
Buck Bros....30%
Merrill & Wilder....50&10@60%
Jennings & Griffin Mfg. Co....60%
Hinsdale....75&5%
L. & I. J. White....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'....40&10%
Butchers'....50%
Spear & Jackson's....$5 to $
Buck Bros....30%
C. E. Jennings & Co....30%
Jennings & Griffin Mfg. Co. Drawing Knives....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge....40%
Cold....60%
Box....60&10%

Chucks—
Beach Pat....each $8.00....30%
Morse's Adjustable, each $7.00 30@30&5%
Danbury....each $6.00..30@30&5%
Syracuse, Bals Pat....25%
Skinner's Pat. Drill Chucks....25%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck....45%
Drill....20&10%
Star....25%
Barber....25%
Union Mfg. Co.:
Victor....$8.50, 25%
Combination....40%
Universal....40%
Independent....40%
Whiton's
Combination....40%
Independent....50%
Cushman's:
Combination....40%
Independent....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati....15&10%
Adjustable, Hammers....15@15&5%
Adjustable, Stearn's....30%
Stearn's Adjustable Cabinet and Corner....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's....75%
Carriage Makers' P. S. & W. Co..40%
Eberhard Mfg. Co....40&5@40&10%
Warner's....40&10@40&10&5%
Carpenters', Cincinnati....15%

Cleavers—
Foster's....30%
Jennings & Griffin....40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper)....$3.50
Clarke's (Imported)....3.50
Albion L (for left hand)...3.50
Foxhall....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet)....4.00
Newmarket....3.50
Triumph (Ball bearing), horse toilet....4.00
Keystone (Ball bearing), centre fly nut....5.00
American (double cutting plate)....5.00
Lexington....3.50
Advance....3.50
Globe Reversible (Ball bearing)....6.00
Republic....3.75
Double Diamond (reversible plate)....5.00
Dictator....3.50
Empire....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16..65&5
Superior Axle Clips....65%&5@70%

Cockeyes—
List....50%

Coffee Mills—
Box and Side....55%
Am. Enterprise Mfg. Co....20%
The Swift, Lane Bros....30%
Waddel's Improved....40%
Logan & Strobridge Iron Co....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing....50&5%
Inside or Outside....65%
Double....65%
Call's Pat. Inside....55%
Stevens's "Ideal"....25%
Stevens's "Leader"....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating....15%
Brown & Sharpe....20%
Wm. Johnson's:
Wing Dividers....75%
Extension Dividers....40%
Wing Calipers....70%
Inside, Outside and Double....70%
Registering....50%

Coopers' Tools—
Bradley's....20%
Barton's....20&10%
L. & I. J. White....20&5%
Albertson Mfg. Co....25%
Beatty's....30%
Sandusky Tool Co....30@30&5%
Shaves, Cincinnati Tool Co....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co....33⅓&
Howe Bros. & Hulbert....35%
Samson....₩ doz $10.00

Corn Huskers—
Blair's Adjustable....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel....₩ gr 4.50
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters....₩ doz. 75c
Mittens....₩ doz. $1.50
Ashtabula....₩ gro. $2.50
Brinkerhoffs....₩ gro. $15.00
Buckeye....₩ gro. $4.00
Cleveland....₩ gro. $7.50
Johnson's....₩ gro. $6.50
Universal....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's....10%
Wadsworth's....45%

Counter Sinks—
Adjustable....20%
Shepardson's Diamond....40@45%
Einwachters....60&10%
Wheeler's Patent....40%
Wm. Johnson's....50%

Crayons—
Sargent's List....20%
Dixon's
Eclipse....₩ gro. $3.75
Emerald....₩ gro. 5.00
Oriole....₩ gro. 5.00
Rainbow....₩ gro. 2.81
Solid....₩ gro. 7.50

Curry Combs—
Spring....40%
Rubber....25%
Perfect....33⅓
F. E. Kohler & Co.'s Magic Oscillating....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4¼ 5
$1.00 $1.13 $1.25
5¼ 6 7 inches
$1.38 $1.50 $2.00, dos....40&10%
Nickeled Shank 4 4¼ 5
$1.35 $1.43 $1.60
5¼ 6 7 inches
$1.73 $1.85 $2.25, dos....40&10%
Buffalo Damper Clips....40&10%
Crown Damper....40%
Excelsior....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment)....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List....50%
Leather Muzzles....50&10%

Door Checks—
Bardsley's....15%
Sargent's Eclipse....55%
Shaw's....40%
Unity F. G....50%

Door Openers, Electric—
Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$35.00
SPARK COIL—
Stanley & Patterson $4.00....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893....33⅓&

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00....20%
Warner's....45&50%
Gem (Coil), list April 19, 1893....10%
Star (Coil), list April 19, 1893....20%
Foster's (Coil)....20%
Champion (Coil)....55%
Cowell's No. 1, ₩ doz, $16.00; No. 2, $15.00....50%
Rubber....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List....60%

Drawing Knives—
Witherby....
Jennings & Griffin....
P. S. & W....
Mix....
} ..75@75&5%
New Haven....
Merrill & Wilder....60%
Douglass....75@75&5%
Watrous....20%
L. & I. J. White....20&5%
Bradley's....35%
Adjustable Handle....20@25%
Wilkinson's Folding....25@25&5%
Hinsdale....75&5%

Dressers, Emery Wheel
Cranage....20%

Drills and Drill Stocks—
Blacksmiths'....each $2.25
Breast, P. S. & W....33⅓&10%
Breast, Wilson's....30&5%
Breast, Millers Falls....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's....20@20&5%
Ratchet, Ingersoll's....25%
Ratchet, Packer's....65%
Ratchet, Whitney's....20&10%
Ratchet, Weston's....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓&
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00....20&10%
Wilson's Drill Stocks....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench....60%

Twist Drills—
See Augers and Bits.

Egg Beaters—
Dover....₩ doz $3.00..60%
National, ₩ doz $4.50....33⅓&
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.)....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone, 33⅓&

Egg Poachers—
Morgan Steam, No. 3. No. 5.
₩ doz. $4.20 $6.00....40%

Emery—

	No. 4 to No. 54 in 46 gr.	150 gr.	Flour, OF FF.
Kegs, ₩ lb.	4½c	5c	2½c
½ kegs, ₩ lb.	4½c	5½c	3½c
¼ kegs, ₩ lb.	5c	5½c	3c
10 lb cans, in case....	6c	7½c	5c
10 lb cans, less than 10..	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890....60%
Brass....65%

Enameline—
No. 4, ₩ gro....$4.50
No. 6, ₩ gro....$7.20

Escutcheons—
Door Lock, same dia. as Locks.
Iron, list January, 1890....60%
Brass Thread....65%
Wood....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%

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Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Fyary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....20%
Lane's ₩ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Fibreware—

Standrad Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3.5	$4.00
Dairy Pails, 14 qt.	$.88..	4.00	
Fire Pails, No. 2, 14 qt.	$4 00	3.50	
Sugar Pails, with cover		4.50	5.00
Horse Pails short, wide and heavy)..		3.70	
Buggy Pails (short and light)..		2.75	
Prison Pails (with cover)		6 50	
Slop Jars (bal. trap), No. 5 and 5x, 14 qt		7.00	8.00 9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt		5 50	6.50 7.50
Commoee Rings (extra)		1.50	1.75 2.00
Wash Basins (10½ inch)		1.75	1.90 2.30
" (12 inch)..		1.90	2.30 2.80
" (13½ inch)		2.30	2.80 3.30
Wash Bowls			3. 0 4 00
Pitchers			5.00 5.50
Milk Pans (Old Gold, in No. 5)			2.00 2.50
Fruit Bowls			1.90 2.10
Keeler-, 11½ inch			2 80 3.30
Waste Paper Baskets, 18 inch high			4.00 4.50
Mats, 8½ inch (for table use)		1 00	1 20 1.40
Mats, 15 inch (for cuspidores, etc		3.00	3.25 3.75
Mats, 17 inch (for slop jars, spittoons, etc)...		3.50	3.80 4.30
Mats, 20 inch (for slop jars, spittoons, etc)...		4.00	4.40 4.90
Cuspidors, 8½ inch, by 7¼ inch high			7.00 8.00
Spittoons, "Daisy," 8 inch (p ess-d)		3.50	4.00 4.50
Spittoons, 10 and 11½ inch		4.50	5.00 5.50
Peck Measures		3.00	
Half Peck Measures		2.50	

Files—

DOMESTIC—

Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....35%
Nicholson (X. F.) Files.....35%
Eagle.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't&50|10%

IMPORTED—

Moss & Gamble, List April 1, 1883..15%
Butcher.....Butcher's list, 30%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—

Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—

Knox.....35%
Geneva Hand Fluter, White Metal, ₩ doz. $13.00....35&2%
Crown Fluters.....30%

Fluting Scissors—

List.....45%

Fly Fans—

Columbia.....10%
Fowlers ₩ doz.....$31.00
Keyless M. & I. Co. ₩ doz.....$21.60

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Ohio.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....30%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—

Enterprise Mfg. Co.....35%
Henis.....₩ doz $3.50
Shepard's Queen City.....40%

Fry Pans—

Standard List:

No	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
₩ doz	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gas Irons—

Bolgiano's New Hot Air Perfection Gas Iron.....₩ doz. $18.00

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ₩ gr $13.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&25&5%

Glue Pots—

Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Saddlery Works, List 1892.
Rope, ½ in. Jute.....
Rope, ½ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓%

Urann & Wooding.....40%

Hammers—

HANDLED HAMMERS—

Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co.....
Fayette R. Plumb.....
} 40&10@50& 10%

C. Hammond & Son. List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ₩ doz.....
Nos. 1, $3; 2, $6.....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔...₩ ℔ 45c
3 to 5 ℔.....₩ ℔ 35c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c
Wilkinson's Smiths...10½c@11c ₩ ℔

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.	0	1	2	3	4
Per doz	$ .90	1.00	1.18	1.35	1.50

60&10&10%

Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES.—

Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ₩ gr 4.50 } 30@
" Firmer Chisel, large ₩ gr 5.00 } 30@
Apple Firmer Chisel, as.. ₩ gr 5.00 } 30@
Apple Firmer Chisel, large ₩ gr 6.00 } 30@
Socket Firmer Chisel, as. ₩ gr 3.00 } 30@
Worcester Leather Cap'd Chisel. 25%
File, assorted.....₩ gr 2.75 } 30@
Auger, assorted ...₩ gr 5.00 } 30@
Auger, large.....₩ gr 7.00 } 30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—

Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—

Barn Door, old pattern.....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ₩ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00.....30%

Hay and Straw Knives—

Lightning, Mfrs' price ₩ doz $18.00, 45%
Gem.....₩ doz $10
Wadsworth's.....40%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T.....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Weld ed Hood... { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. { ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 22 and 24 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔.....$4.75

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
J. S.....35&10%
Empire and Crown.....20%
Stover Ideal ₩ gro.....$13.00
New Idea ₩ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting...25@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@20%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....60%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....30%
Rubber.....66⅔%

GATE HINGES—

Western.....₩ doz $4.40, 60%
N. E.....₩ doz $7.00, 55%
N. E. Reversible, ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....₩ doz $5.00, 55&10%
Automatic.....₩ doz $12.50, 50%
Kell's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—

Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 2, 3, 5, 40 and 50.....30%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....60%
Buffalo.....30%
Clark's Genuine Pattern.....30%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&5%

Hoes—

HANDLED—

Garden, Mortar, &c.....80%
Planter's Cotton, &c.....80%
Warren Hoe.....65%
Magic.....₩ doz $4.00
Dunlap's:
Boys' hoes.....₩ doz $3.00, 30%
Ladies' hoes.....₩ doz $2.00, 30%
Scuffle.....30%

EYE—

D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—

Hill's Improved Ringers, ₩ doz $1.25
Hill's Tongs.....₩ doz $3.00
Hill's Rings...₩ doz bxs $2.15@$1.00
Perfect Rings..₩ doz bxs $1.60@$1.70
Perfect Ringers...₩ doz $2.15@$2.25
Blair's Hog Ringer ₩ doz $2.25@$2.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers.....₩ doz $2.00
Champion Rings, Double, ₩ doz $2.25
Brown's Ringers.....₩ doz $2.00
Brown's Rings.....₩ doz $1.25@$1.30

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware.....33⅓&10%
Rustless Hollow-Ware.....50@60&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother.....40&5%
Hartford Silver-Plate Co., William Rogers Mfg. Co.....40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading...., Clothes Line, Sargent's list.....60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60&10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".....60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	26c	26c	26c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	23c	23c	23c	24c	23c.	40&10&5&2½&2%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n	26c	26c	23c	21c	20c.	25@25&5%
A. U.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	25c	23c	21c.	21c	33⅓@33⅓&10%
Maud S	25c	23c	23c	21c.	21c	40&10&5%
Champlain	25c	23c	23c	24c	25c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion	23c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	18c	16c.	10&5%
Anchor	25c	21c	20c	19c	18c.	25%
Western	23c	21c	20c	19c	18c.	50%
Empire Bronsed						13@14c ₩ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....60&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20.....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick.....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%
Ice Picks—
See Ice Chippers.
Irons—
ee Sad Irons.
Jack Screws—
See Screws.
Kettles—

SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen.	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen.	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen.	$65.34	$79.20	$108.90	$136.62	
Each...	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen..		$14.40	$18.00	$20.64
Each...		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen..		$23.40	$27.00	$32.40
Each...		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....35%
Wilson's Butcher Knives.....35%
Ames' Butcher Knives.....30%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....30%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....35%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 30%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 30%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.....75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10%@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....80%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $3.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.85 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.35; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.35.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....25c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 20%

Locks—

DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '95. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deits Flat Key.....80%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '94, revised Jan. '95.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 66 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c. Nos. 100 to 565..15%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 109 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....60%
No. 437.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....35&10%
Lignumvitæ.....35&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$36.00	$45.00

American.....80%

Nos.	1	2	3	4	5	6
Each.	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$3.75	$4.00

Enterprise.....25%

Nos.	10	12	22	33	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&35%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2½
Draw Cut, each:

Nos.	5	2	6	8	
	$50	$75	$80	$285	30@35%

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&2½%

PICTURE—
Brass Head, Sargent's list.....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list..40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $3.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb. net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1¾ to 2¾ to ⅝ at back, ⅓ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%.
Pike's Washita Mounted:
6x2, ₩ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ lb.....24
" 2x2x½, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ lb.....3.80
No. 1, 5½ to 8x1¾ to 2x¾ to 1, ₩ lb.....3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 1¼, ₩ lb.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x1⅛ to ⅝ ₩ lb.....4.0

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x⅝ to 1¼, ₩ lb .08
Washita Finish, about 8x2x⅝ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1¼ to 2x⅛ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1⅝ to 2x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1⅝ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x⅝ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x⅛ to 1 ₩ lb..... .10
Special Axe, 2½x1½x⅛ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8½x2x1¼, weight about 1½ lb, ₩ lb..... .05
Large, 8¼ to 9x2½x2, weight about 2 lb. ₩ lb..... .05
Small table, 9 to 9½x2½x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers

Packing, Steam—
RUBBER—
Boston Belting Co.:
" Boston " 60%
" Excelsior " Self-Vulcanizing, per lb 70c.....40%
Boston " Phœnix " Red Sheet, per lb..... 50c.net
N. Y. R. & P. Co., Standard.....50%
N. Y. R. & P. Co., Empire.....60%
N. Y. R. & P. Co., Salamander....25%
N. Y. R. & P. Co., 1846-Para....40&10%
N. Y. R. & P. Co., Double Diamond.60%
N. Y. R. & P. Co., Carbon.....60&10%
Standard .....60&10%
Extra.....50&10%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard....₩ lb 30c. 25&5%
MISCELLANEOUS -
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing .....13c@14c ₩ lb
Cotton Packing .....15c@17c ₩ lb
Jute .....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin .....₩ doz 5.25
Bonanza .....₩ doz 5.00
Daisy .....₩ doz 4.00
Dandy .....₩ doz 7.50
Eureka, 1888..... .....each 16.00
Family Bay State.....₩ doz 12.00
Favorite .....₩ doz 5.00
Ideal .....₩ pos 4.00
Improved Bay State.₩ ds..$37@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection .....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72 .....₩ doz 4.25
78 .....₩ doz 7.00
Oriole, ₩ doz $5.00.....30&10%
Victor, ₩ doz $15.00.....30%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 30%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 12.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.67
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding 50%
Bench, First Quality.....55%
Bench, Second Quality.....50%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving..... .....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....30%
Miscellaneous 25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's .....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle".....
Ohio .....} 25%
Sandusky.....
S. & I. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....25%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Par., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls 33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's..... .....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johns n's 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's..... 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz..... 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz..... 10%
J. P. Lovell's Police Goods..... 25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem .....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook..... ₩ d z $12.00, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale, 10%
E. S. Lee & Co.'s Pruning Tools.40%
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel.....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40&2%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&2%

Pulleys—
Axle.....60%
Dumb Waiter..... .....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump..... ....$13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15 00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333. 2½ in Deep Well Pump.....$15. 0
No. 72, Fig 333, 3 in. Deep Well Pump.....$15.00
No. 73. Fig 3.3, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 1 8, Fig. 4 8, 3½ in. Lift Pump.....$12.00
No 128, Fig. 5'0, 3 in. Lift Pump.....$7.00
No 131 Fig. 510, 3½ in. Lift Pump.....$8..0
No. 225, Fig 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 2 5, Fig. 403, Windmill Pump.....$14.50
No. 240. Fig. 406, Regulator Pump.....$30 00
No. 280 Fig. 4 4, Imperial Cyclone Pump.....$18 00
No. 285, Fig. 5 2, Cyclone Tank Force Pump.....$ 7 00
No 267, Fig. 483, Geyser Tank Force Pump.....$ 7.0
No. 268, Fig 513, Low Down Tank Force Pump.....$16 00
No. 3 2, Fig. 477, Spray Pump complete.....$11.5)
No. 32) Fig. 492, Bucket Spray Pump.....$5.50
No. 33, Fig 547, Knapsack Spray Pump.....$1 .00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz..90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leech's Pat.....15%
Bemis & Call Co.'s Springfield Socket 65
Bemis & Call Co.'s Spring and Check 50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities. 25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾ Per 100 feet.....$3.00 2.5. 2.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers: Small. Med. Large Per 100 feet..$2.15 2.70 3.25...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot. 4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Garden Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.... net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1.net ₩ doz. $4.90
Gibbs' Crown, No. 2.net ₩ doz. $5.20
Gibbs' Hustler, No. 0 net ₩ doz. $4.75
Gibbs' Hustler, No. 1.net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00. ..... 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.20...net
Boys' rakes .....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50. } 25%

Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 13 teeth ..... $2.40; No. 2 $2.10
Lawn, 23 teeth, $2.15; 24 teeth, $2.15
Sawdust..... .....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.90
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's A.A.A.I, list Nov. 1, 1889 .50%
Jordan's Old Faithful, list Nov. 1, 1889..... .....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis Kell & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....50@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ⅜c. ₩ lb less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list..... .....55&10%

Rods—
Stair, Brass.....30%
Stair, Black Walnut..... ₩ doz 40c

Rollers
Barn Door, Sargent's list.60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7½c
Manilla, ⅜..... ₩ lb 8½c
Manilla, ¼ and 5-16..... ₩ lb 8½c
Sisal, 7-16 and larger.... ₩ lb 6½c
Sisal, ⅜..... ₩ lb 6½c
Sisal, ¼ and 5-16..... ₩ lb 6½c
Sisal Lath Yarn, medium ₩ lb 6½c
Cotton Rope..... ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7 16in. & larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal..... ⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 5½c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. L'the Yarn ₩ lb 5 c
Cotton Rope..... ₩ lb 11@13c net
Jute Rope..... ₩ lb 5@6c net
1½% for cash in 10 days.

Rules—
Boxwood..... .....80%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$2.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England.....5c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....20%
National Self-heating. 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No 50, ₩ set.....$ .75 net.
No 55, ₩ set. ..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each .... 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net.....$8.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper. .....30&5%

Sash Chain—
Giant 40%
Monarch..... .....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable..... .....25%

Sash Cord—
Common ..... ₩ lb 10@..c
Jute, good quality..... ₩ lb 1.c
White Cotton Braided, fair. ₩ lb 25c
Common Russia Sash..... ₩ lb 16c
Patent Russia Sash..... ₩ lb 15c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Cable Laid Sash..... ₩ lb 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....25%
B Quality, White.....40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26½c @ 28c
Sylvan Spring
Extra Braided White....37c
Extra Braided Drab....37½c
No. 4 Braided White, $3.00...10&10%
No. 4 Braided Drab, $3.00...10&10%
No. 4 Braided Colors, $2.50...10&10%
Semper Idem, Braided White....37c
Samson:
"Mass." White, Cotton....37c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....55c

Sash Fasteners, Holders, &c.—

Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'sed....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity....30%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances....25&5&2%
Hugunin's New Sash Locks 25&5&2%
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co....50%
Champion Safety, list Mar. 1, 1893. 60&10&10%
Security....70%

Sash Weights—

Solid Eyes....₩ ton $22.50

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00....35%
Enterprise Mfg. Co....35%
Silver's....40&10%

Saws—

Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....35%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....30%
Gang, Drag & Mill....40%
X Cuts, Regular Back...25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
W. & McP. Hand....35%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....35%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....35%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....40%
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....35%
Star Bracket....35%

HACK SAWS—

Griffin's complete....45%
Griffin's Hack Saw and Blades...45%
Chatillon....30%
Butchers....35%
Star Butcher....35%

Saw Frames—

Star Hack....25%
White Vermont...₩ gro. $9.50@$10.00
Red, Polished and Varnished...₩ doz., $2.00 40%
C. E. Jennings & Co....30%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%

Saw Sets—

Stillman's Lever, Nos. 40, 45....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $30.00; No. 5, $31.00....40&20%
Perfect Saw Jointer....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Automatic....35%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut. 30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever....20%
Disston's Star, $9.00, No. 15, $6.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold....₩ doz., $15.00, 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%

Scales—

Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales. 40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Richle Bros.' Platform....40%
Brittan, Graham & Mathes....50%

Scale Beams—

Scale Beams, List Jan. 12, '93. 50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....₩ doz., $4.00, 10%
Box, 2 Handle....₩ doz., $6.00, 10%
Defiance Box & Ship....30&10%
Foot....50&10@60%
Ship Common....₩ doz., $3.50 net
Ship, R. I. Tool. Co....10%

Screens—

Phillips:
Bonanza Screens....60%
Perfection Screens....6 %
Extension....50 & 10&5%
Flyer....50&10%
Window Screen Frames....60&5%

Screen Doors—

Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30 & 35%
Standard Oil....35&40%

Screw Drivers—

C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....50&5%
Disston's Pat. Excelsior....50&5%
Buck Bros....20%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....80&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Stearns'....25&10&5%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....₩ doz., 70@90c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12. 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits. 20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ₩ doz....90c } 50%
Beauty, ₩ doz....$1.00 }
Wm. Johnson's:
135 A....70&10%
135½ Extra....70%
139 Ebonized Handle....70%
141½....75%
142 Ebonized Handle....70%

Screws—

WOOD SCREWS—List, Jan., 1891.

Flat Head Iron....85%
Round Head Iron....75%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....85%
Round Head Brass....75%
Flat Head Bronze....80%
Round Head Bronze....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head. 55%
Rogers Drive Screws....87½%

MACHINE—

Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%

BENCH, HAND, ETC.—

Bench, Iron....70%
Bench, Wood, Beech. ₩ doz $3.00@3.25
Hand, Wood....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....50&5%
Bed....30&25%
Hand Rail, Sargent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....5 & 10%
Jack Screws, Millers Falls, without Roller Bearing....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%

Scroll Saws—

C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw Blades....35%

Scythes—

Grain....40&5@40&10%
Grass....40&10%

Sets—

See Awl and Tool Sets.

Shears—

Ætna, Steel Japanned....30&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Hatch Cutlery Co. Solid Steel Forged....60%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60%
Japanned....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75%
Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 15, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Stearns' Sheaves....60&10%
Hatfield Sheaves....30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s....60&10&
Sargent's list....60&10%
Reading list....60&10&10%

Shells—

See Ammunition.

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Bess, at factory....$4.00
Bryden's Frog Pressure, at factory $6.00
Perkins Steel Side Weight Hind ₩ ℔ 7½c
Perkins Improved Snow....₩ ℔ 4c

MULE—

Add $1 ₩ keg to above prices.

OX, WROUGHT—

Ton lots....₩ ℔ 9c
1000 ℔ lots....₩ ℔ 9½c
500 ℔ lots....₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c....30%
[Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods. 20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....20@20&7½%
Hussey, Binns & Co....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan., 1880....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%

Shovels and Tongs—

Iron Head....65@65&5%
Brass Head....65@65&5%

Sifters, Flour—

Shaker, Sidney Shepard & Co., ₩ doz. $2.00
Hunters....₩ doz. $3.00

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 10, 15&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert's:
Triumph....
Loop Eye....
Round Eye....
Open Eye....
Loop Eye, Swivel....
Round Eye, Swivel....
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier....
Swivel Eye Satchel Snaps....
Neck Yokes....
Neck Yoke Centres....
Beaver Bolt Snaps....

Spoke Shaves—

Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....30%
Stearns'....30&10%
Millers Falls....25%
Wm. Johnson's:
Wood, Best....33⅓
Wood, 2nd Quality....3⅓%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks. 50&10@60%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co. .40 &15&10&10
L. Boardman & Son....50&12½%

MISCELLANEOUS—

German Silver....50@50&5%
German Silver, Hall & Elton. .50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver. .50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash

Springs—

See Door Springs.

Squares—

Steel and Iron....
Nickel-Plated.... } 80%
Try Square and T Bevels 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....30@35%

Staples—

Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....80&25&10%
Extra Heavy....80%
Hooks and Staples....80&25&10%
Extra Heavy....80%
Hasps and Staples....80&25&10%
Extra Heavy....80%
Staples on Plates....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%

Stocks and Dies—

Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....30@25%
Reece's New Screw Plates....25%
Reversible Ratchet....30%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stoves.

Strops—

See Razor Strops.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.

Carpet Tacks:
American....66⅔%
Steel....66⅔%
Swedes, S. S....66⅔%
Swedes, Lanc....62½%
Leathered....70½%
American Cut Tacks....6 %
Swedes Iron Tacks:
S. S....62½%
Lanc....57½%
Upholsterers' Tacks:
S. S....66⅔%
Lanc....62½%
Gimp Tacks:
S. S....66⅔%
Lanc....62½%
Lace Tacks:
S. S....67½%
Lanc....57½%
Trimmers' Tacks:
S. S....65%
Lanc....50%
Looking Glass Tacks....33⅓%
Picture Frame Points....33⅓%
Basket Tacks....62½%
Berry Box Tacks....62½%

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Trunk Tacks:
S. S ..... 66⅔&5%
Lanc ..... 62½&5%
Miners' Tacks, S. S ..... 66⅔&5%
Bill Posters' and Railroad Tacks:
S. S ..... 66⅔&5%
Lanc ..... 62½&5%
Brush Tacks and Nails:
S. S 55%
Lanc ..... 5 %
Hungarian Nails ..... 57½&5%
Common and Patent Brads 50%
Finishing Nails ..... 57½&5%
Trunk and Clout Nails ..... 57½&5%
Basket Nails 50%
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 3½&2% cash.
F. H. Cobbler Nails:
4 to 8in., and shorter, ₩ 100 lb $20.60
⅝ in. and longer, ₩ 100 lb ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No. 18 & 19. 17 & heavier.
2 3&2¾-8 in. $60 00 $41.20
3-4&3¾-8 in. 51.50 35.15
4-8& longer, 41.20 33.45
MISOU LLANEOUS—
Double Point ..... 85&10@85&10&10%
Wire Carpet Nails .60&10@60&10&10%
Bill Nye Brad Box $4.00
Bonnie Blue ..... ₩ box $1.50
Claw Handle Carpet ..... ₩ gr $1.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 carton-), $72.00. 10 & 2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 40 , ₩ case (12 cartons), $60.00. 5 & 2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks .66⅔&3½&2%
Miniature Keg Tacks ..66⅔&33⅓&2%
Upholsterers' Nails ..... 5 & 10%

Tack Pullers—
Columbia, No. 1, per doz., net $1
" " 2, " " ... 1.50

Tape—
American Screw Co.
Machine Screw 60%
Hand and Machine ..... 50&10%
Pipe 80%
Blacksmiths' Taper ..... 50&10%

Thermometers—
Dairy, Floating all glass ₩ doz. $1.50
Dairy, Zinc Flanged ..... 80&10%
Fancy 70%
Japanned Case ..... 80&10%
Combination with Barometer ₩ gro $30.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) .30&2%
Snips, J. Mallinson & Co 33⅓%
Snips—"Clause" 30%

Tinware—
Stamped, Japanned and Pieced, Net Jan. 20, 1897. 70&10@70&10&10%

Trammel Points—
Cook's 25%
Rule ..... 20&10%
Stanley's ..... 30&10%
Tower & Lyon 33⅓%
Jennings "Eureka" 25%

Tracks, &c.
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track $3.25
Comb., Car., Wood Track $3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes) $12.00
Sure Grip Sling Car., Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps, ₩ ft ..... .09
Single Rail Steel Track with clamps, ₩ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1 50
Walker Fork, each $1 75
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each ... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz $2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz $3.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 455, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz $1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz $2.00
Floor Hooks, ¾ in ₩ doz ..... .65
Hanging Hooks for Double Steel Track, ₩ doz ..... .60
Hanging Hooks for Single Steel Track, ₩ doz ..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz ..... .45
Hanging Hooks for Wood Track, 14 in , ₩ doz ..... .55
Wrought Rafter Brackets, ₩ doz ..... .45
Malleable Rafter Brackets, ₩ doz ..... .45
Rope Hitch ₩ doz $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida:
Newhouse ..... 40&10%
Hawley & Norton ..... 70&5%
Victor ..... 70&10&5%
All Steel 75%
Star ..... 50&10%
Blake's Patent ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole ..... 30@10%
S.T ..... ₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 20%
Mouse, Cage, Wire, ₩ doz $3.50, 10%
Mouse, Catch-'em-alive ₩ dz $3.50, 15%
Mouse, Bonanza ..... ₩ gr $10.00
Mouse, Ideal ..... ₩ gr $9.00
Mouse, Delusion ..... 33⅓&5
Rat Slayer ..... ₩ gr $9.50
Rat, Keystone ..... ₩ gr $10.00
Rat, Exterminator ..... ₩ gr $12.00
Rat, Decoy ..... ₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse 50%
Improved Rat 40%
New Rat 40%
Schuyler:
Mouse, ₩ gross $18.00 ..... 50%
Rat, ₩ gross $30.00 ..... 50%
Household ..... ₩ gr $10.00
Erie Rat 50%
FLY—
Balloon ..... ₩ gr. $13.50
Electric Rod ..... ₩ gr. $16.50
Globe ..... ₩ gr. $13.50
Harper ..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering. .25%
Peace's Plastering 25%
W. & McP. Plastering. 25%
Richardson 25%
Rose's Brick ..... 15@20%
Brade's Brick 20%
Sargent's Garden, No. 1 ..... 70%
Sargent's Garden, No. 15 ..... 50%
Wm. Johnson's:
Brick and Plastering 40%
Brick No. 100 Extra 30%
Pointing 40%
Corner 40%

Vises—
Solid Box ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 60%
Lowell Hand 33⅓%
Stephens' ..... 20@10%
Holland's ..... 40@45%
Parker's ..... 20@25%
Wilson's 55%
Alligator 50%
Howard's 40%
Bonney's ..... 40&10%
Millers Falls ..... 40@40&10%
Trenton ..... 40&5@40&10%
Merrill's ..... 15@20%
Sargent's 50%
Backus and Union 40%
Prentiss' ..... 20@25%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench ..... 35&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00 .... 40&10%
Stearn's 40%
Stearn's Silent Saw Vises .... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 50c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone ... ₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co 40%
Clayton's ..... 35&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list ..... 90&10%
Market:
Brt. & Ann., Nos. 0 to 18 ..... 72½&5%
Cop'd, Nos. 0 to 18 ..... 70%
Galv., Nos. 0 to 18 ..... 62½&5%
Tin'd, Tinned list Nos. 0 to 18 .62½&5%
Tinned Broom Wire .... 5½c net
Galvanized Fence 65%
Malin's Annealed and Tinned on Spools ..... 60&5%
Malin's Brass and Copper on Spools ..... 50&5%
Annealed Fence, Nos. 8 and 9 .... 75%
Annealed Grape, Nos. 10 to 14 .... 75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass 55%
Brass, list Jan. 18, 1884 ..... 20%
Copper, list Jan. 18, 1884 ..... 35%
Barb Fence ..... See Trade Report
Cast Steel Wire 50%
Stub's Steel Wire ..... $6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted ..... 30&10%
Picture Wire ..... New list 30&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality. ₩ 100 sq. ft. $1.45
Galvanized Wire Netting ..... 30&10%
Brass Cloth ..... 40@55%
Steel Bolting Wire Cloth ..... 30@55

Wire Rope—
List, May 1, 1886.
Iron ..... 33⅓&2½&5%
Iron, Galvanized ..... 40&2½&5%
Cast-steel ..... 40&2½&5%

Wire Rope Clips—
Crosby 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy 50%
Alligator ..... 40&10%
Hercules 70%
American Adjustable 40%
Armstrong's 40%
Baxter's Adjustable "S" 60%
Baxter's Diagonal 60%
Coes' Genuine 50%
Coes' "Mechanics'" ..... 50&10&5%
Girard Standard 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought ..... 30&5%
Eagle Pipe 50%
Taylor Pipe and Nut 40%
Stillson Pipe 45%
Trimo Pipe ..... 50&10%
Wakefield Pipe and Nut 40%
Bemis & Call's:
Patent Combination Black 40&10%
Patent Combination Bright, 40&5%
Brigg's Pattern ..... 50&10%
Cylinder Gas Pipe ..... 45&5%
No. 8 Pipe 55%
Aiken's Pocket (Bright) $6.00 ..... 60%
Boardman's 30%
Always Ready ..... 33⅓&5%
Champion Carriage 40%
Donohue's Engineer 35%
Trimo Combination 40%
Cincinnati Tool Co:
Bit ..... 35&10%
Standard Brace ..... 35&10%
J. H. Williams 25%
Lowell Ratchet 33⅓%
Lowell Socket Bridge 25%
Lowell Lag Screw 25%
Yankee 45%
Expert Bicycle ..... 33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30, Erie, 11 inch	27.00
No. 55, King, 11 inch	33.25
No. 45, King, 10x1¾ inch	25.00
No. 65, King, 11x2 inch	33.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 in h	16.50
No 3. Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99, Pittsburg, 11x2 inch	31.00
No. 33, Nonpareil, 11x1¾ inch	25.10
No. 44, Nonpareil, 11x2 inch	33.00

Peerless Mfg. Co., List Feb. '93 2% cash
Colby Wringer Co.:

No. 10 Rolls, 10x1¾ inches	21.00
No. 11 Rolls, 11x1¾ inches	25.00
No. 12 Rolls, 12x1¾ inches	29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 56c
Linseed City, Boiled, " ₩ gal. 59c
Out of Town or Spot ..... ₩ gal. 56c
Calcutta, Raw, in bbls .... ₩ gal. 56c
Lard ..... 6½&6 85

Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$23 00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ lb 5 @5½c
White Lead, American, in Oil, ₩ lb ..... 5 @5½c
White Lead, English, in Oil, ₩ lb 5½@7 c
Litharge, American Powdered, ₩ lb ..... 4½@4¾c
Litharge, English Flake, ₩ lb 8½@9 c
Litharge, Glassmakers', ₩ lb 5½@6 c
Zinc, American, Extra Dry, ₩ lb 3¼@4¼c

Putty—
Putty in Bulk ..... $1.45@$1.75
Putty in Bladders ..... $1.65@$2 00
Putty in Tins ..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal 38c

Colors in Oil—
Black Coach Japan ₩ lb .. 18½@20 c
Black Coach Japan in Oil ..... ₩ lb 12 @13 c
Black Drop ..... ₩ lb 7½@10 c
Black Lampblack, prime, ₩ lb 27½@33 c
Black Lampblack, medium ..... ₩ lb 15 @20 c
Black Lampblack, 2d quality ..... ₩ lb 13 @19
Black, Lampblack, low grade ..... ₩ lb 6½@10 c
Blue, Chinese ..... ₩ lb 35 @40 c
Blue, Prussian ..... ₩ lb 20 @30 c
Blue, Ultramarine .. ₩ lb 13 @16 c
Brown, Sienna, bur't ₩ lb 7 @10 c
Brown, Sienna, raw, ₩ lb 7 @10 c
Brown, Umber, bur't ₩ lb 7 @10 c
Brown, Umber, raw, ₩ lb 7 @10 c
Brown, Vandyke .... ₩ lb 7 @11 c
Green, Chrome ..... ₩ lb 8 @14 c
Green, Paris ..... ₩ lb 14 @18½c
Red, Indian ..... ₩ lb 13 @15 c
Red, Venetian ..... ₩ lb 4½@ 8 c
Yellow, Chrome ..... ₩ lb 13 @18 c
Yellow, Ocher, French ₩ lb 4½ c



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The Yale & Towne Mfg. Co.,

Manufacturers of BUILDERS' HARDWARE.

GENERAL OFFICES: 280 Broadway, New York.

WAREROOMS:

NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.

Works: { Stamford, Conn. / Branford, Conn.

BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Building.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A competent salesman of table cutlery; one who can command trade and manage that department. Address R., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

TRAVELING salesman, of long experience, acquainted with Hardware trade through Middle and Western States, wants side line from manufacturer; mechanics' tools preferred. Address C. D. Ferre, No. 9 Locust Street, Springfield, Mass.

SITUATION wanted by a first-class tinner, an expert at furnace work, roofing, spouting and general jobbing and repairing; also understands bicycle repairing. Young man, single, speaks English and German; industrious, steady and sober References Address H. F. Thompson, No. 135 Lake Street, Chicago, Ill.

WANTED—By a young man with twelve years' experience in the Hardware business, a position either in the house or on the road. Unquestionable references. Address M. G., care HARDWARE, No. 143 Chambers Street, New York.

A SHEET metal salesman with eight years' factory experience, wishes a change of employers, same line, or with manufacturing or jobbing Hardware house. Address "New Jersey," care HARDWARE, No. 143 Chambers Street, New York.

A POSITION as commercial traveler is wanted by young man of great ability, having a fine education. Good references given Address J. N. Patterson, England, Pa.

YOUNG man, twenty-two, desires situation in city or country; rapid penman; accurate, honest, temperate; liking for hard work; can give bond. Address A. E. McLean, Tremont, N. Y. C.

WANTED—By a young man, thirty-five years of age, with fourteen years' experience in the retail Hardware business, position as salesman with a good house. Thoroughly posted in builders' Hardware, and capable of making estimates from architects' specifications. Can furnish unexceptional references. Address Capable, care HARDWARE, No. 143 Chambers Street, New York.

Agencies for Hardware Specialties Wanted.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged. Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

Side Lines Offered.

WANTED—Experienced Salesman in Western States to sell good staple in Hardware line, representing manufacturer direct. Liberal commission. Address Box 156, Wilkinsburg P. O., Pittsburg, Pa.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

Side Line Wanted.

POSITION by a young man to represent barbers' supply or good cutlery house in two or three Southern States. Good references as to character and ability; three years' experience with barbers' supply and cutlery house. Address, stating salary given, to Cutlery, care HARDWARE, No. 143 Chambers Street, New York.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

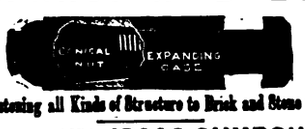
For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

Bicycle Agency Wanted.

WANTED for Chicago and vicinity the agency for a good standard bicycle by three live men. For the trade only. Good showroom on prominent thoroughfare. D. Hymes, No. 135 Lake Street, Chicago, Ill.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue. Toledo, O.

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
S. L. Allen & Co., Philadelphia.
John H. Graham & Co., New York.
Withington & Cooley Mfg. Co., Jackson, Mich

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Annunciators.
Patrick & Carter Co, Philadelphia, Pa.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Chamberlin Cartridge & Target Co., Cleveland, O.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co, New York.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bells.
Bradley & Hubbard Mfg Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
John H. Graham & Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
American Indicator Co, Lawrence, Mass.
Julius Andre, Milwaukee, Wis.
Bridgeport Gun Implement Co., New York.
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
Crawford Mfg. Co, New York, Hagerstown, Md.
Cushman & Denison, New York.
Eclipse Bicycle Co., Beaver Falls, Pa.
O. J. Faxon & Co., Boston.
Grand Rapids Cycle Co., Grand Rapids, Mich.
A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis Minn.
Indiana Bicycle Co, Indianapolis, Ind.
Hunt Mfg. Co, Westboro, Mass.
Wm. M. Justice & Co., Pittsburg, Pa.
Keating Wheel Co., Holyoke, Mass.
C. H. Lamson, Portland, Me.
Liberty Cycle Co., New York.
J. P. Lovell Arms Co., Boston.
Monarch Cycle Co. New York, Chicago.
Mossberg Wrench Co, Attleboro, Mass.
New York Belting & Packing Co. Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston,
Premier Cycle Co, New York,
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse, Hazard & Co, Peoria, Ill.
St. L. R. & W. G. Co., St. Louis, Mo.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Spaulding Machine Screw Co., Buffalo, N. Y.
Supplee Hardware Co., Philadelphia.
Edw. K. Tryon, Jr., & Co., Philadelphia.
Vance Wells, Louisville, Ky.
Yost Mfg. Co., Toledo, Ohio.

Bicycle Step Ladders.
Bicycle Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Boiler Compound.
Vegetable Boiler Compound Co, Utica, N. Y.

Bolts.
J. H. Sternburg & Son, Reading, Pa.

Bolt Clippers.
H. K. Porter. Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co, Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels
Divine Bros., Chadwicks, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich; New York.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Burpless, Dunn & Alder, New York

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

China and Glassware.
P. H. Leonard, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Millbury Razor Co., Millbury, Mass
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Desks.
Empire Desk Co., New York.

Dies.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York
P. & F. Corbin, New Britain, Conn.
Russell & Erwin Mfg Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham, New York.
Partrick & Carter Co, Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Troy File Works, Troy, N. Y.
Charles Wellauu, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey, W. S. New York
Gilbert & Bennett Mfg. Co., New York and Chicago

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gears.
T. F. Welch & Co., Boston.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
A. W. Dodd & Co., Gloucestre, Mass.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co, London, Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hangers, Eave Troughs.
John W. Bell & Co., Mercer, Pa.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Matthai, Ingram & Co., Baltimore, Md.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Menders.
C. E. Hudson & Co., Leominster, Mass.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia
White Mountain Freezer Co., Nashua, N. H.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Japanning.
C. H. Angus, Albany, N. Y.

Job Lots.
Charles Weiland, New York.

Knife Sharpeners.
Moesberg Wrench Co., Attleboro, Mass.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.

Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.
Chas. Parker Co., Meriden, Conn., New York.

Lawn Mowers.
Blair Mfg. Co., Springfield, Mass.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Philadelphia Lawn Mower Co., Philadelphia.
Underhill, Clinch & Co., N. Y.
White, Van Glahn & Co., New York.

Lawn Mower Sharpeners.
Troy File Works, Troy, N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.
Withington & Cooley Mfg. Co., Jackson, Mich.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lawn Tools
Withington & Cooley Mfg. Co., Jackson, Mich.

Lead.
Bruce & Cook, New York.
National Lead Co., New York.

Levels.
C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
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Enterprise Mfg. Co., Philadelphia.
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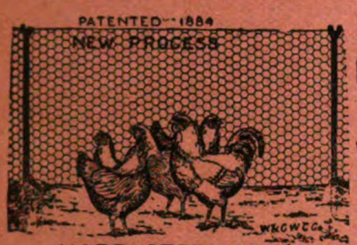
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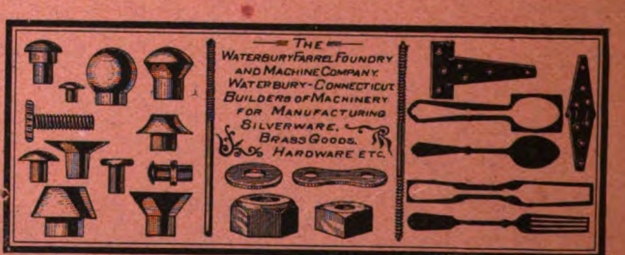
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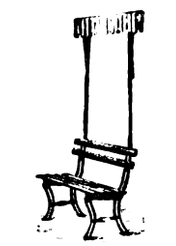




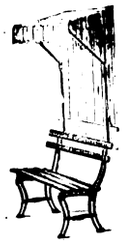
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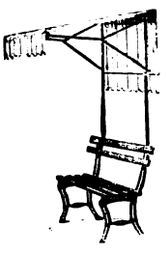




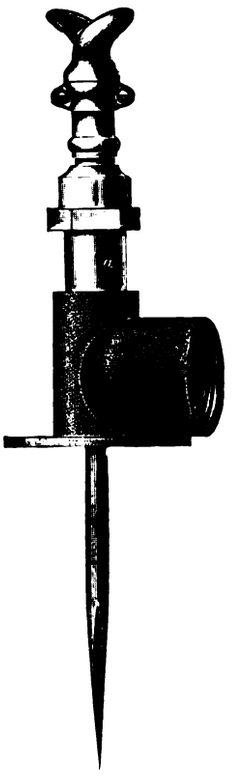








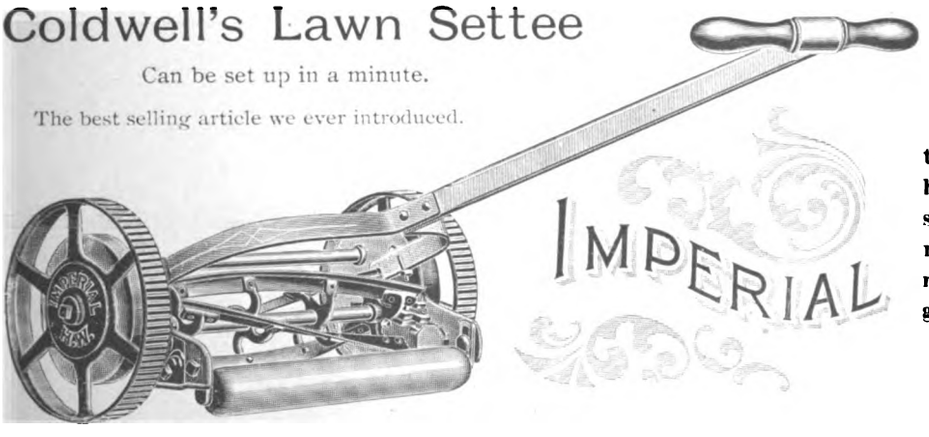
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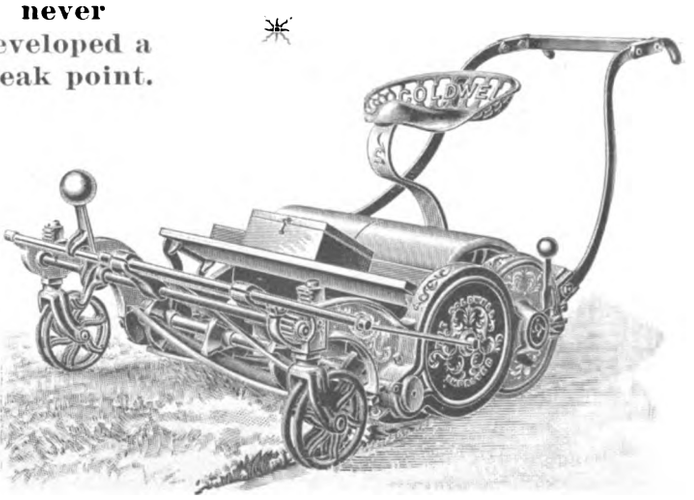
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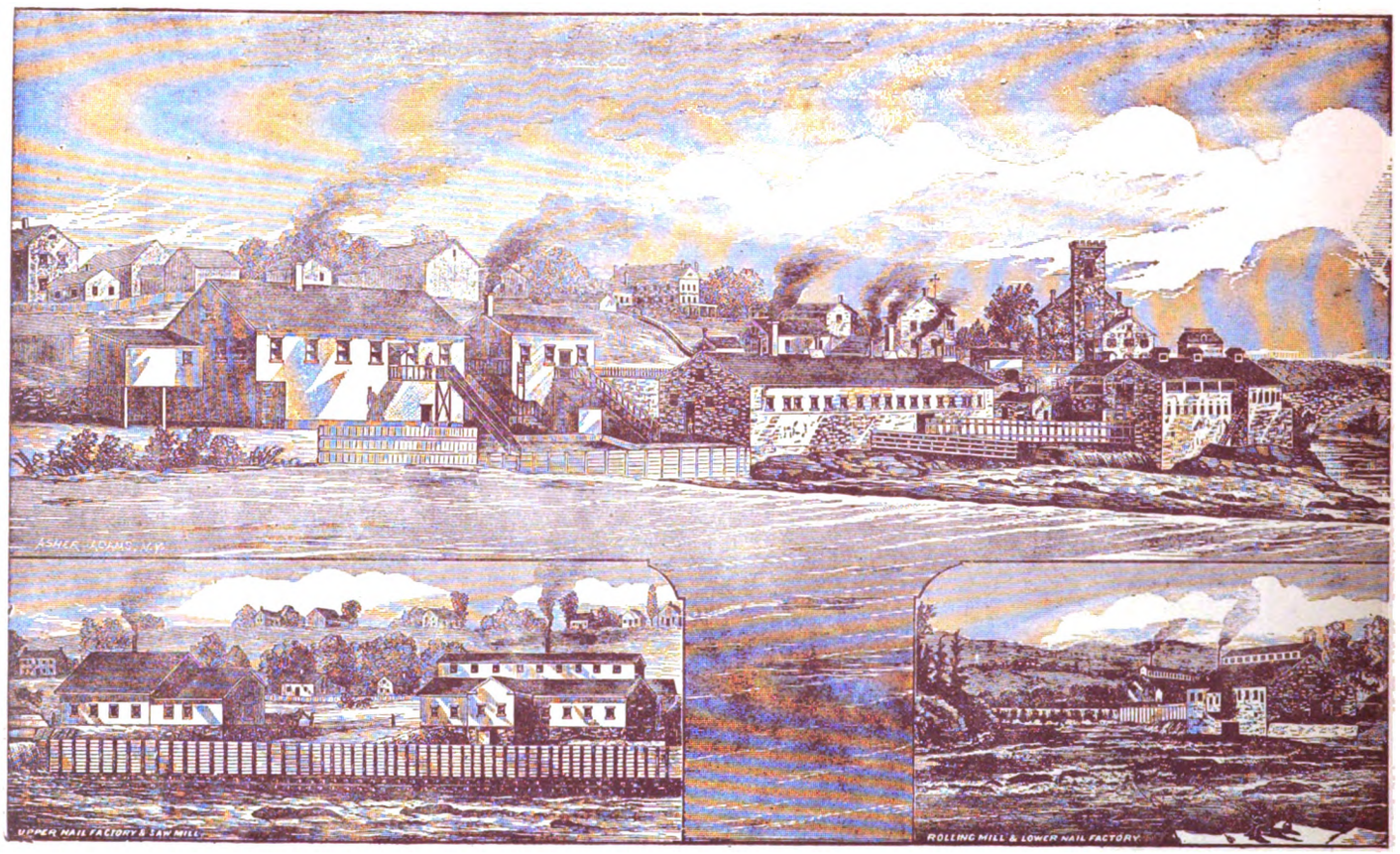
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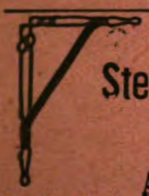
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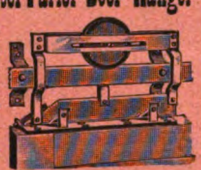


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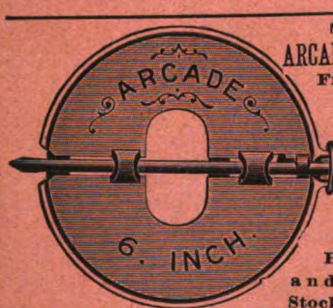


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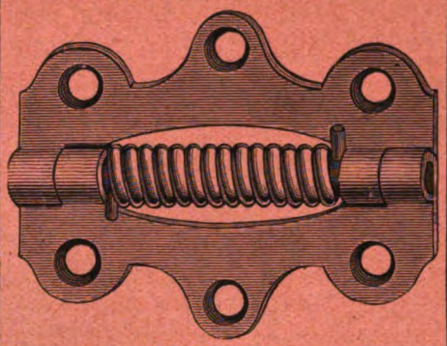
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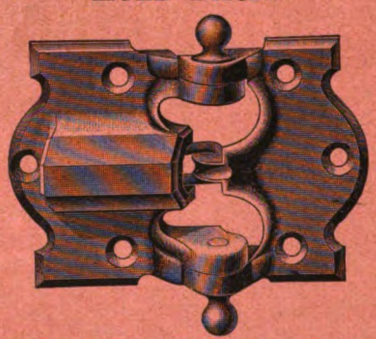
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85 & 87 JOHN STREET, NEW YORK.
197 LAKE STREET, CHICAGO, ILL.

THE OLDEST AND MOST EXTENSIVE MANUFACTURERS

—OF—

Pumps and Hydraulic Machinery

IN THE WORLD.

Over 1500 Sizes and Styles for use in House, Farm and Factory.

The trade furnished full descriptive catalogue.

Ask the dealer for DOUGLAS PUMPS and get the best.

Highest Award at all the World's Expositions. Works Founded in 1838.

WE ARE AGENTS FOR

WM. JESSOP & SONS' Cast Steel.
WASHBURN & MOEN MFG. CO.'S Wire Rope.
BOSTON BELTING CO.'S Rubber Goods.
ALEXANDER BROS'. Oak Tanned Belting.
JARECKI MFG. CO.'S Steam Fittings, etc.
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RUSSELL & ERWIN'S Screws.
P. & F. CORBIN'S Builders' Hardware.
LANDERS, FRARY & CLARK'S Table Cutlery.
GENEVA TOOL CO.'S Agricultural Tools.
SAMUEL WINSLOW SKATE MFG. CO.'S Ice Skates.

WRITE US FOR PRICES.

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146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

The Standard for the World.

COLUMBIA BICYCLES.

$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.
Unequalled—Unapproached.

POPE MANUFACTURING CO.,
Hartford, Conn.

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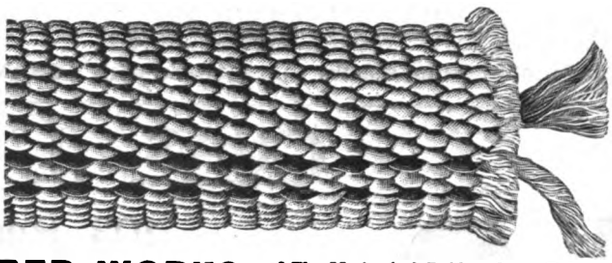


LAWN HOSE FOR 1895

THIS LABEL. SEAMLESS TUBE HOSE PATD NOV 18 90 THIS LABEL.



These Brands:
WARRANTED 2 X L.
HIGH GRADE.
ALUMINUM.
OLD GOLD.



These Brands:
DOUBLE BLUE LINE COTTON.
HIGH PRESSURE.
BUCKEYE.
SHAMROCK.

CLEVELAND RUBBER WORKS, of The Mechanical Rubber Co., **Cleveland, Ohio, U. S. A.**

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MANUFACTURERS

ATLAS AND JUDSON POWDERS

AND

REPAUNO GELATINE.

A FUMELESS EXPLOSIVE FOR TUNNEL WORK.

Our High Explosives are Standard and Guaranteed to run Uniform.

GENERAL OFFICES: WILMINGTON, DEL.

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SHOOT BLUE ROCKS

Target shooting makes trade in guns and ammunition good when it is generally dull. You should organize a gun club and promote the sport.

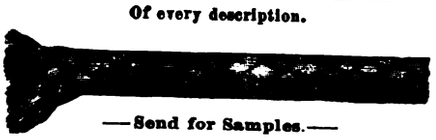
Do you handle nitro powder cartridges? We can interest you. Send for list.

The Chamberlin Cartridge & Target Co.,

Cleveland, Ohio.

Braided Cord

Of every description.



—Send for Samples.—

TATE MFC. CO., MALDEN, MASS.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility



That is why it is always economy to buy

PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND.
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

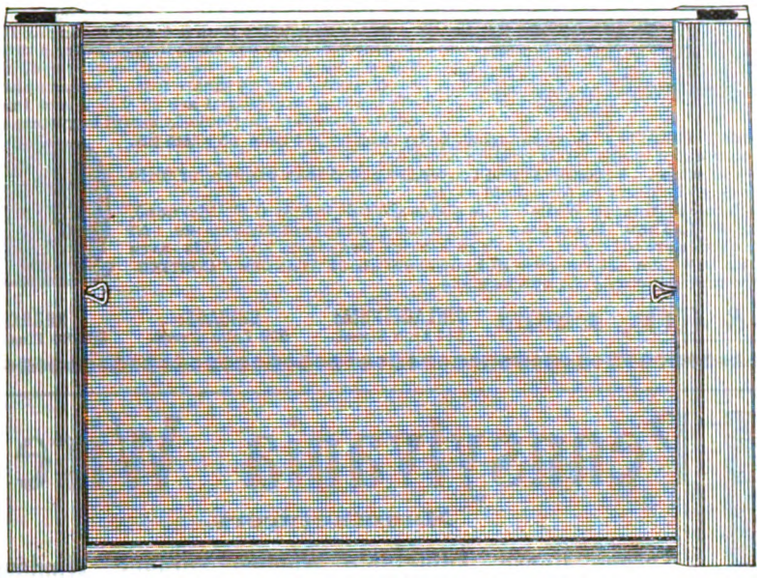
WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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The Best Adjustable Screen is appropriately called

THE "HANDY."



MADE IN EIGHT SIZES.

A FEW OF ITS SUPERIOR POINTS ARE:

1st. EASE IN HANDLING.—The hook-shaped pull-bars fastened securely in the centre of the sliding ends afford a ready hold for convenience i placing and removing the screen at the operator's will.
2d. When placed under the sash, it will readily adjust itself to windows in square or out of square.
3d. The Screen is made of hard wood, natural color, finished in oil, and is the neatest, lightest and strongest screen made.
4th Has Box Panels, making both sides alike.

Manufactured by **Pennsylvania Screen Co.**

Sole Agents, **John H. Graham & Co.,**
113 Chambers Street, New York.



FROM DEALERS LOOKING FOR THE

Best Refrigerator Made

We solicit an opportunity of presenting the merits of our

"WISCONSIN PEERLESS."

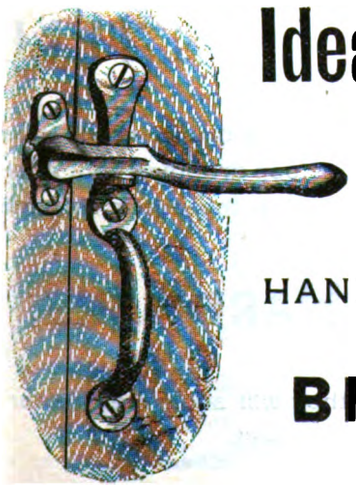
Mineral Wool Filling. Absolutely cleansable. More and better talking points than all other makes combined. Absolute guarantee. Seventh season. For Catalogue address

The Wisconsin Refrigerator Co., Eau Claire, Wis.

New York Office: Ross & Fuller Asn'n, 33 Chambers St.

New England Office: 175 Hanover St., Boston, Mass.

Philadelphia Office: Reeves & Smiley, 129 N. 2nd St.



Ideal Refrigerator Door Fastener.

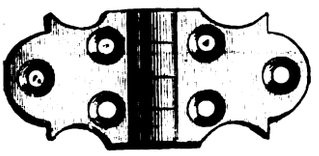
SIMPLE,
DURABLE,
PRACTICAL.

HANDLE AND WEDGE COMBINED.

MANUFACTURED BY

BRABSON BROS.,

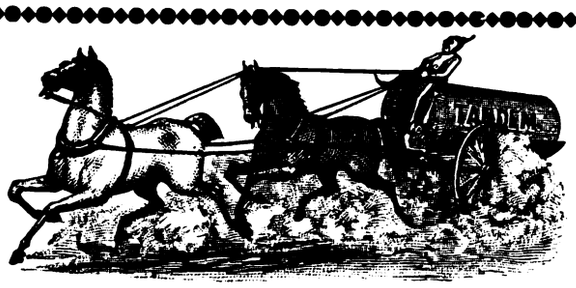
NEWARK, N. J.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

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Continuous Roofing Tin.

CONSIDER EVERYTHING and see if you don't find it cheaper and better to use "TANDEM" than to use any other equal grade of roofing

It is easier to lay than ordinary roofing and it makes a better roof.

Our "TANDEM" is made in sheets 20 and 28 inches wide and 96 inches long. The seams are locked together, end to end, making a straight continuous course containing 100 square feet. The seams are soaked on both sides during the coating process, and are as strong and impenetrable as the solid sheet. Such courses are particularly useful in gutters and valleys.

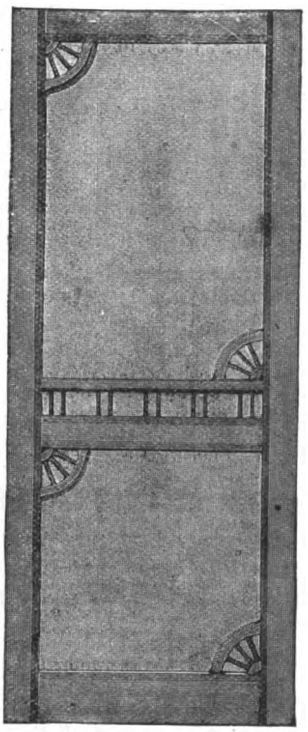
It is ready to use the moment you unroll it. No re squaring, no trouble, no lost time, no waste tin. Every inch of it goes directly on the roof in absolutely straight courses.

It affords a saving of labor and solder. A square of it will cover more roof than a square of 20x28 loose sheets. These are the reasons why every roofer should use it.

There are other points worth considering: (1) While all the plates are full weight (I C thickness), the shipping weight of a square of "TANDEM" is less than that the same quantity of 20x28 sheets. (2) We can ship direct to where the goods are to be used. If you're working away from home this saves freight charges double handling, and time If you care to know more about "TANDEM" CONTINUOUS ROOFING TIN write us. Prompt shipments can now be made



MERCHANT & CO., INCORPORATED, PHILADELPHIA: 517 Arch Street. CHICAGO: 202 Lake Street. BROOKLYN: 584-86 Flushing Ave. NEW YORK: 247 Pearl Street.



"SPECIAL" DOOR.

Pennsylvania Wire Works,

Manufacturers,

Screen Doors, Adjustable Window Screens, Window Screen Wire Cloth, Poultry Netting, and Galvanized Wire Cloth.

Something New. All made with Springs

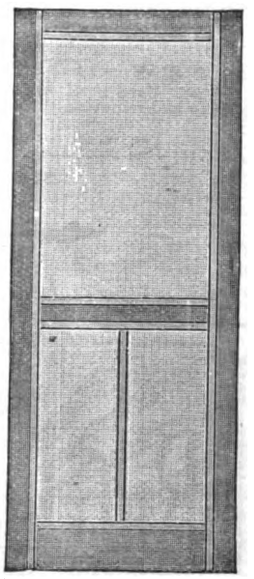


Just What You Want.

THE "COMBO" WINDOW SCREEN.

The only adjustable Window Screen that has side wings made entirely of wire cloth. Largest adjustment made in any Adjustable Window Screen.

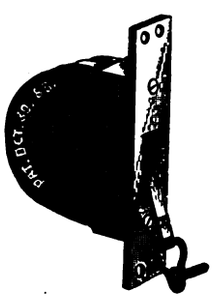
——Send for Prices and Catalogue.——



"DARBY" DOOR.

EDWARD DARBY & SONS,

Mention HARDWARE. 233 and 235 Arch Street, PHILADELPHIA, PA.



IF THE COAT FITS, PUT IT ON.

We make good goods, and sell them to the best trade, who sell the best class of Hardware. If there are any of the above who are not already selling

THE CALDWELL SASH BALANCE,

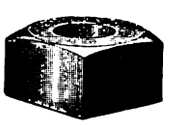
We solicit their orders.

CALDWELL MFG. CO.,

Box 1022. ROCHESTER, N. Y.



WROUGHT WASHERS.



HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,

Milton, Pa.



TIME

WILL

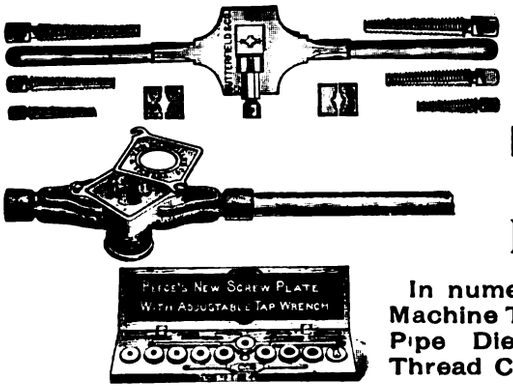
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

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BUTTERFIELD & CO.,

Derby Line, Vt.

Manufacturers of all sizes

Blacksmiths' Stocks and Dies, Pipe Stocks of all sizes.

Reece's • New • Screw • Plates

In numerous assortments of sizes Machine Taps, Hand Taps, Pipe Taps. Pipe Dies, Reamers. All kinds of Thread Cutting Tools.

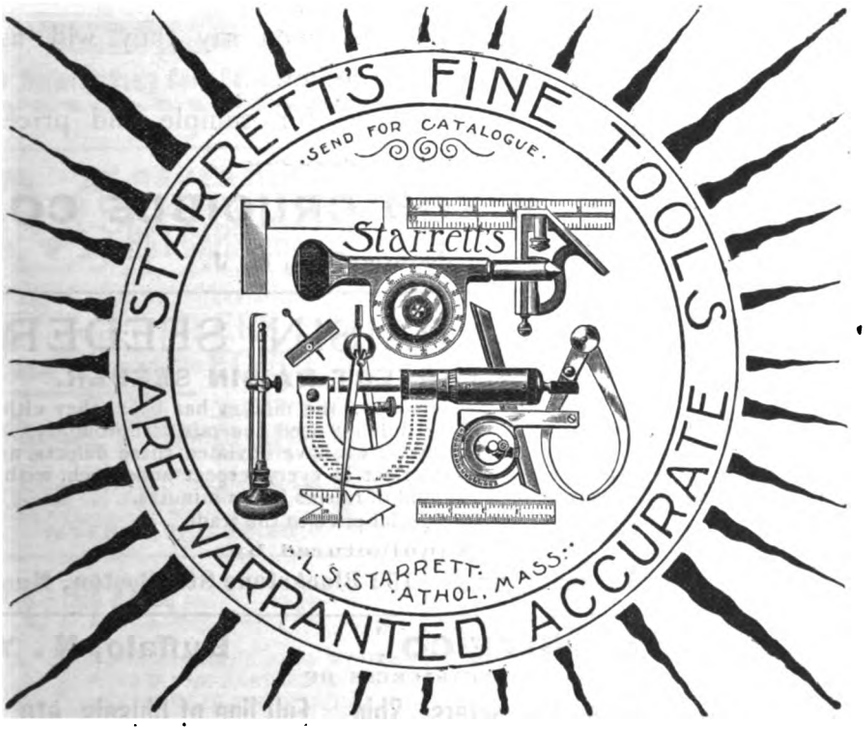
THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Earle's Hotel) NEW YORK.





No. 11 PLAIN POWER MILLING MACHINE FOR SMALL WORK.

THIS IS OUR SMALLEST

Power Milling Machine.

WE MAKE

EIGHT LARGER SIZES

OF THIS STYLE AND

SEVEN OTHER STYLES

Embodying the Most Advanced Ideas of

MODERN MILLING PRACTICE.

Write for Our Latest Catalogue and Prices or call and see us before you buy.

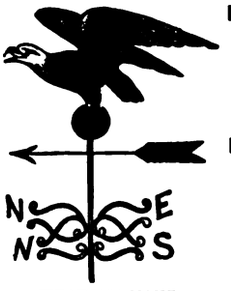
—Machine Tools of all kinds IN STOCK.—

The Garvin Machine Co.,

Laight & Canal Sts., New York.

Also No. 51 N. 7th St., Philadelphia, Pa.

WEATHER VANES.



WEATHER VANE.

FENCING, STABLE FIXTURES, WINDOW GUARDS, GRILLES, FIRE ESCAPES, OFFICE RAILINGS, SIGNS, STAIRS, JAIL CELLS.

CATALOGUE FREE.

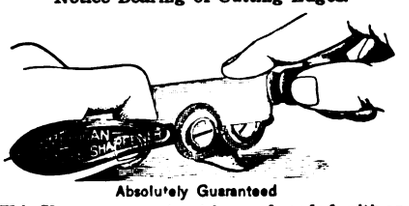
WIRE AND IRON WORK.

E. T. BARNUM, DETROIT, MICH.

The AMERICAN KNIFE SHARPENER.

PATENTED FEB. 23, 92.

Notice Bearing of Cutting Edges.



Absolutely Guaranteed

This Sharpener must not be confounded with any other on the market, as the quality and temper of the steel permits obtaining a razor edge, while the adjustment of the cutters insures durability. Send for trade discount. Sample by mail 25 cents.

MOSSBERG WRENCH CO.,
Manufacturers of Novelties, Attleboro, Mass.

You take no risk on the quality we make only the best



Sand Papers IN Reams and Rolls — Flint Paper, Garnet Paper, Emery Paper, Emery Cloth

M. A. FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co.

700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
108 LAKE STREET, CHICAGO.

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FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
Cleveland, O.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

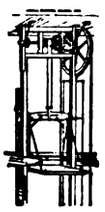
Is the BEST on the market.

Liberal Discounts to Dealers. Send for Catalogue.

ENERGY MFG. CO.,
1223 S. 15th Street, PHILADELPHIA.

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

PATENT KANTOPEN HOOKS AND EYES.

Black or white. 3½ cents per card of two dozen each, or $14.00 per cwt., loose in bulk. Sizes 2, 3, 4.

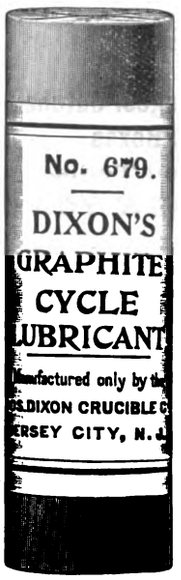
Alfred Shrimpton & Sons, Ltd.,
273 Church Street, NEW YORK.



Reduced Prices for Painter's Colors

Send for our new (March 1, '95) net dealers price list for the Lawrence Colors in Oil. Quality, as before, unsurpassed. We want your trade, and if the best goods at closest prices count with you we should have it.

W. W. LAWRENCE, - - Pittsburgh and Buffalo.



Do You Sell Bicycles?

We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.



BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

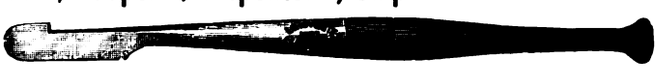
Manufactured by

Geo. H. Mason & Co, 152 Blackstone St., Boston, Mass.

THE L. & I. J. WHITE CO., Buffalo, N. Y.

MANUFACTURERS OF

Edge Tools, Coopers', Carpenters', Ship. Full line of Chisels, etc.



BARK SPUD.



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

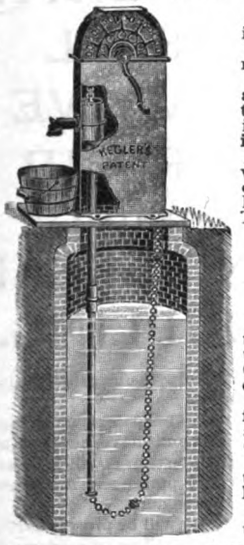
Buckeye Churn Co.,
Sidney, Ohio.

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Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT
Galvanized Iron
Tubing and Curb

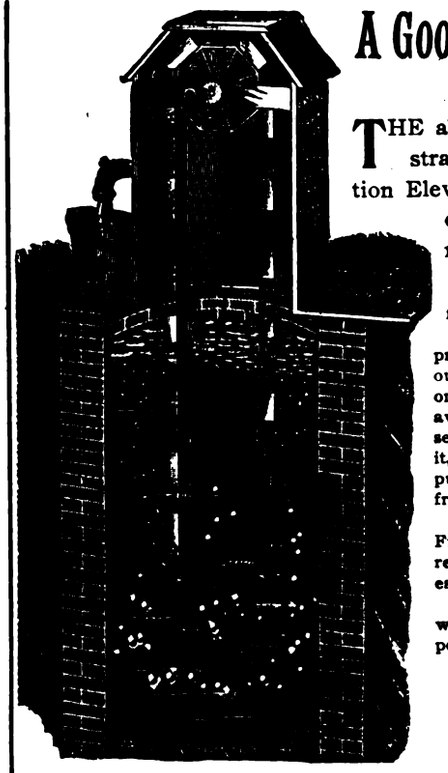


No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.

More Durability.
Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb.
The only satisfactory Tubing and Curb for Chainpumps.
Send for illustrated Catalogue.
Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.



A Good Article Will Always Sell

THE above fact has been thoroughly demonstrated by the large sales on the "Perfection Elevator and Purifying Pump" in the last eighteen months, when every other business almost has been at a standstill.

The prospects for a booming trade on the "Perfection" for the coming season were never better.

"The proof of the pudding is the eating." Our proof of the "Perfection" is the orders we now have on our books for Spring delivery. Dealers place your orders at once for shipment in the next ninety days, to avoid delay in getting your orders filled promptly, and sell the best pump in the world. If you don't believe it, write us for our illustrated catalogue and book on pure water, which contains hundreds of testimonials from the best dealers in the United States.

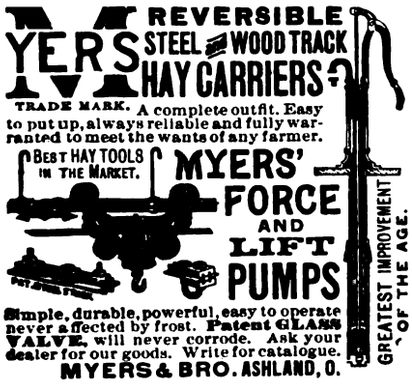
We have made another improvement in our D. G. Fixture, as well as our new combination spout and receiver of cast iron. Our guarantee to purify the foulest well or cistern in ten days use, always stands good.

We are also manufacturing a new irrigation pump with capacity of one hundred to two thousand gallons per minute. Address us for prices. Mention this paper.

ST. JOSEPH PUMP CO.,
ST. JOSEPH, MO.

MYERS REVERSIBLE STEEL & WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

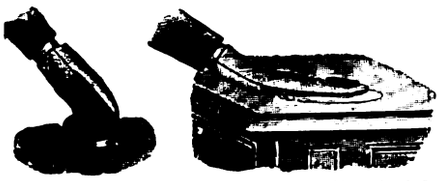


PUMPS

WOOD AND IRON. OUR WOODEN PUMP IS THE BEST MADE. THEY ARE FIRST CLASS IN EVERY RESPECT. ONLY ONE DEALER IN A TOWN ALLOWED TO HANDLE THEM. WRITE TO US TO-DAY.

COMSTOCK & COONSE CO.,
INDIANAPOLIS, IND.

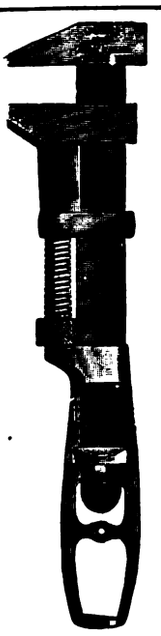
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A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.

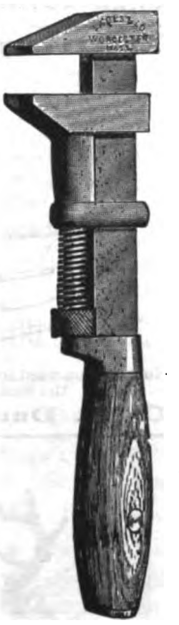


L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.

MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

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ESTABLISHED 1828.

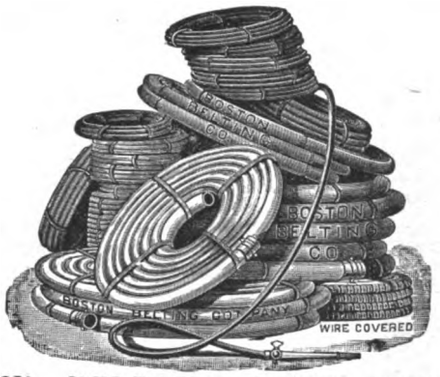
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | NEW YORK: 100 Chambers Street.

—Salesrooms:—

14 North 4th St...Philadelphia, Pa.
26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa.
8-10 E. Michigan St Duluth, Minn.
248-252 East 4th St...St. Paul. Minn.
9th St. & Wash'n Ave.St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
127-9 S. Meridian St. Indianapolis, Ind
237 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
390 East Water St. Milwaukee Wis.
4 Monroe St., Grand Rapids, Mich.



WHY YOU SHOULD CATALOGUE AND SELL

THE HEATH BALL VALVE PUMP

And PATENTED

UNIVERSAL COUPLING.

It is the best known pump.
It is the most popular pump.
It sells easier and in larger numbers.
It gives satisfaction to the user.
All parts broken or defective, returned, replaced free.
It works easy and has great capacity.
It is fitted with our patent Universal Coupling.
We own the patent covering this device and have never sold the right to use it; it will be reserved for our pump and the benefit of our customers.
Infringers will be prosecuted.
Electros sent free on request.

RETAIL PRICE $2.00.

Liberal Discount to the Trade
Electros Free for Catalogue Purposes

Sole Manufacturers,

S. F. HEATH CYCLE CO.,

Minneapolis, Minn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

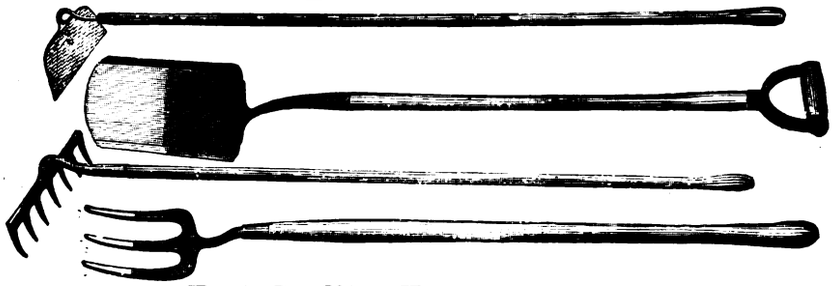
Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Garden Sets.



Best Quality, Finely Finished.

No cast iron used in the manufacture of these goods. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York

P. & S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST NEW YORK

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."



GENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK BROS. CAST STEEL BUCK BROTHERS

BUCK'S HEAD.



TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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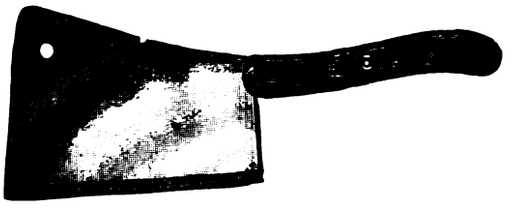
MANUFACTURERS OF

SCALES

—AND—

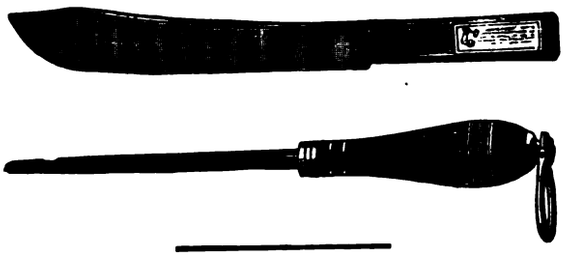
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

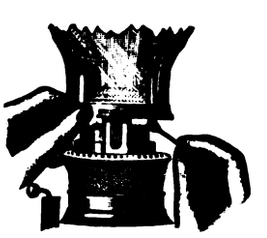
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

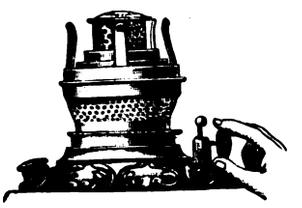
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

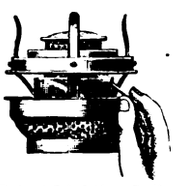
Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.



Ratchet Wick-Raising Movement.



Patent Lighting Lift.

Shows Lighting Without Removing Shade or Chimney.

THE "ROYAL"

Has the *only* chimney lift which will stay in position while lighting the lamp.

It is the only lamp with the Ratchet Attachment to raise and lower the Draw Bar giving perfect control of the wick. It gives more light for the wick exposure and consumption of oil than any other lamp taking same size wick.



No. 866 Royal Lamp.

THE "BANNER" OIL STOVE.



Banner Stove. Height, 26 inches.

Will heat a room 15 to 20 feet square. No chimney. No smoke. No odor. Get one for your Bed, Bath and Smoking Room, Library, Nursery, Office or Conservatory.

SOLE MAKERS,

The Plume & Atwood M'f'g Co.

New York City. Chicago,. Ill

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Withington & Cooley Manufacturing Co.,

JACKSON, MICH., U. S. A.

The Season is here. **LAWN · TOOLS** We Have Them.



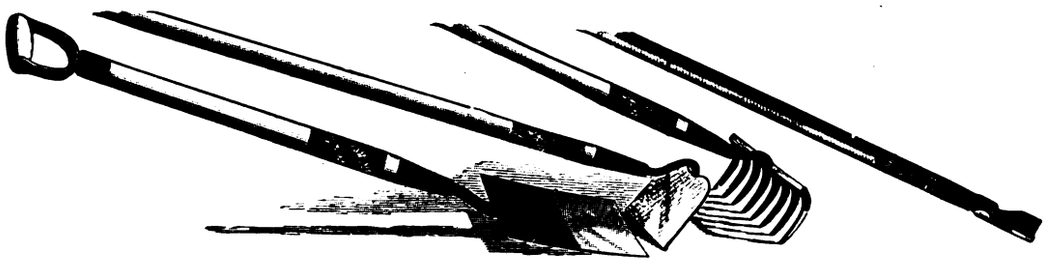
SHUFFLE HOE.



THISTLE OR WEED CUTTERS.



LAWN RAKES. Simplicity and Durability.



FLORAL SETS. Four Tools; not toys, but made in a first-class manner. Serviceable, of best material. Hoe and spade have forged steel blades, brightly polished. Rake is of malleable iron, latest pattern, and polished. Dandelion Spud is needed in every lawn or grass plat.



TURF EDGERS.

Also a full line of Farm and Garden Tools. Send for Catalogue and Prices.

The Forks which are attracting so much attention

THE

VICTOR {Braced / Shank} FORKS



Of one piece of steel.

Made in

Manure and Header Fork Patterns.

Patented.

MADE ONLY BY

The Iowa Farming Tool Co.,

Fort Madison, Iowa, U. S. A.

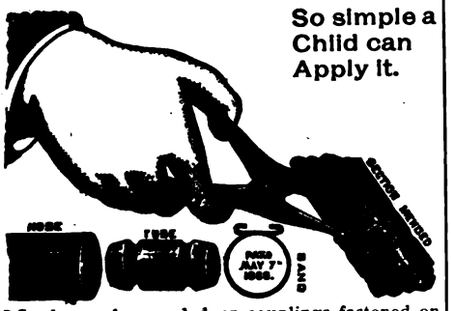
Manufacturers for more than 40 years for home and foreign trade of

Forks, Hoes, Rakes, Scythe Snaths, Grain Cradles, &c., &c.

Illustrated Catalogue on Application.

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Hudson's . . . .
Garden Hose . .
Mender . . . . .



Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. The Entire Outfit Retails for 75 Cents. There is a good profit in these goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

At the TOP



AND GOING TO STAY THERE

OPERATING: Wheeler, Madden & Clemson Mfg. Co. Richardson Bros. Harvey W. Peace Co. Woodrough & McPartlin

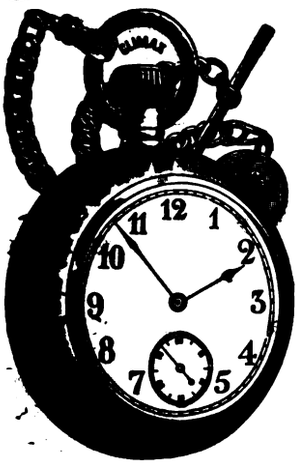
THE
NATIONAL SAW CO.
GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists

CLIMAX WATCH

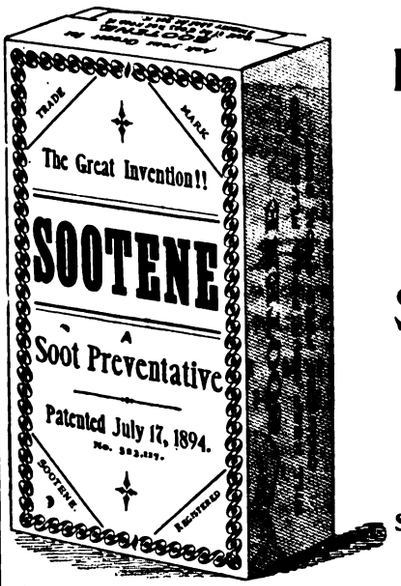


FOR
$2.00

American Lantern Pinion Stem Wind ¾ Plate Gilt and Nickel Plain and Fancy Cases.

Over 300,000 of our watches sold in 1894. Over one-half of them through the Hardware Trade. Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.



SOOTENE SERMON No. 3.

In the Spring

The housewife fancies that the Stovepipe's full of soot—so she Takes it carefully down and Finds her worst fears realized Because she has not used

SOOTENE

She'll know more next Fall, as Her grocer has posted her on The merits of the article.

Pays a good profit to the Retailer.

SOOTENE. ROYALL GIVENS, Corpus Christi, Tex.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

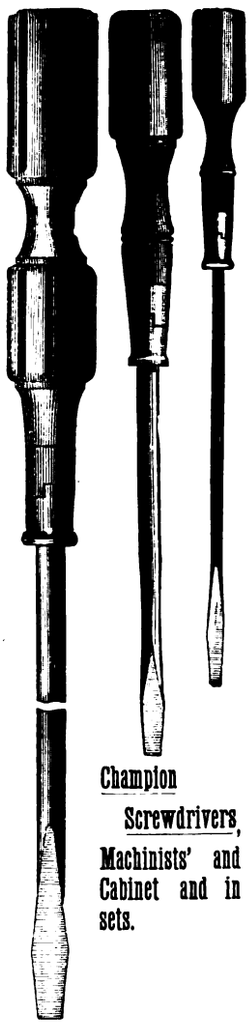
Models, Special Tools

And the manufacture of all kinds of

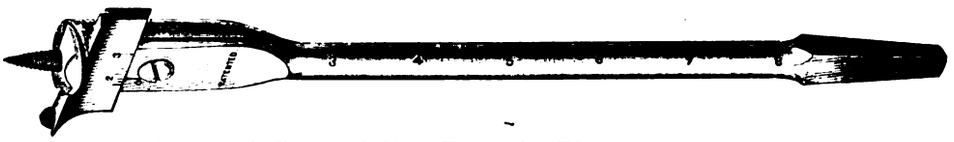
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

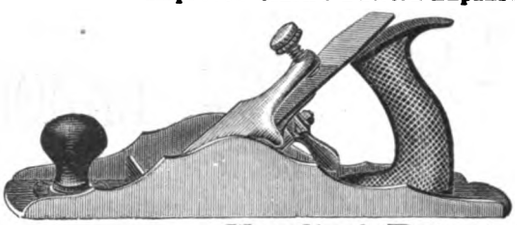


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

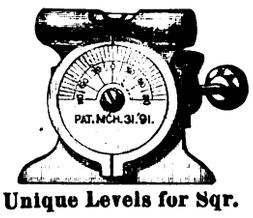
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





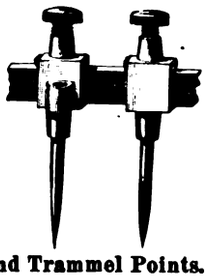
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



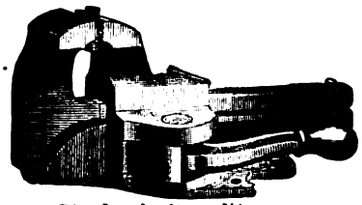


Plumb Bobs and Trammel Points.

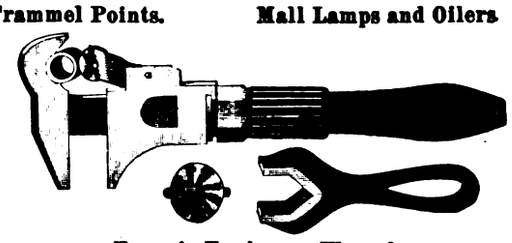




Mall Lamps and Oilers



Stephen's Pat. Vises.



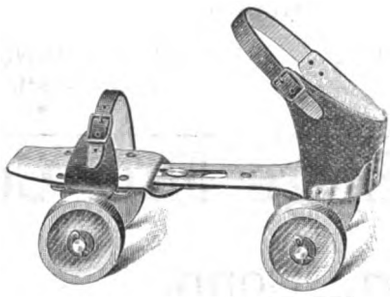
Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers **Padlocks, Police Goods, Etc.**

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



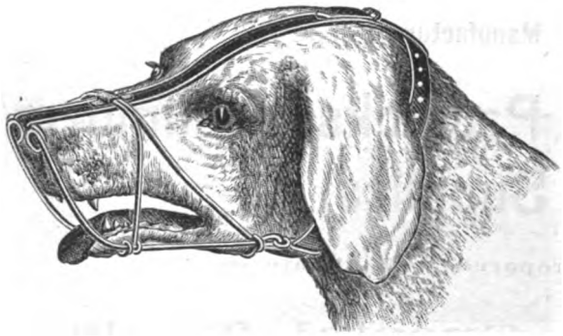
EXTENSION ROLLER SKATES.



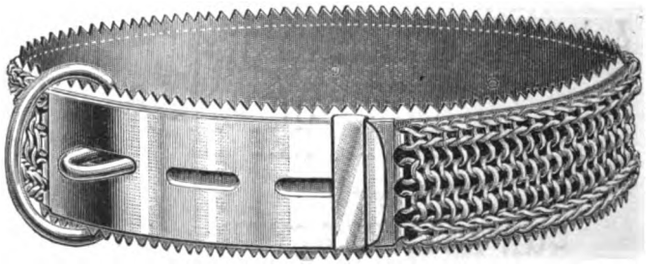
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

UNION HARDWARE CO.,

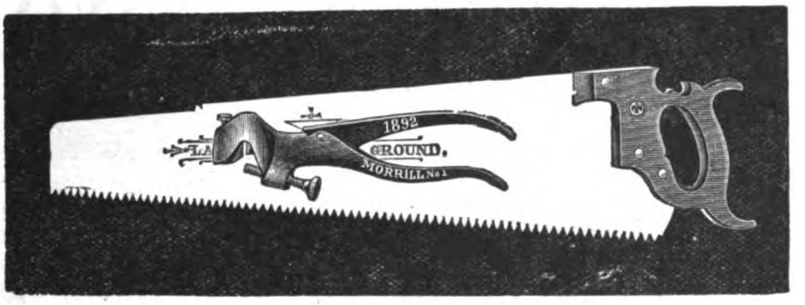
95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

New York Office in charge of TOWER & LYON.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind. BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original TUTTLE TOOTH, the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE ATKINS SAWS TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

"OHIO" LEVER CUTTER
1894 PATTERN, PRICE, $5.00.



SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.
Shipped K. D. to secure lowest freight rate, and can be set up in a moment.
Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO.,
SALEM, OHIO.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—¾	⅜—¾	⅜—1¼	1¼—2	2 —3
Roundiron	¼—¾	½—1	¾—1⅝	1½—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.

DRESDEN:
33 Werder Strasse.

LEONARD VIENNA AUSTRIA

1790 1890 VIENNA CHINA

LIMOGES:
46 Route de Paris.

LEONARD VIENNA AUSTRIA

P. H. LEONARD,
—Manufacturer and Importer—
VIENNA CHINA, LIMOGES CHINA,
AND FOREIGN GLASSWARE,
76 & 78 READE ST., NEW YORK

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ARCADE FILE WORKS.

ESTABLISHED 1842.

WARRANTED FILES AND RASPS.

EASTERN OFFICE, NEW YORK. FACTORY, ANDERSON, IND. WESTERN OFFICE, CHICAGO.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



K. & E.

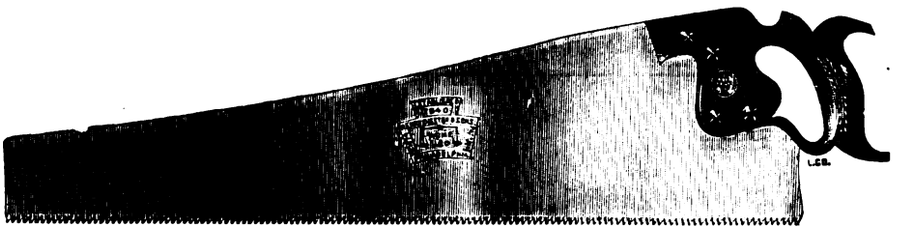
SPRING JOINT STEEL RULES.

K. & E.

Pocket Rules, plain and with springs.

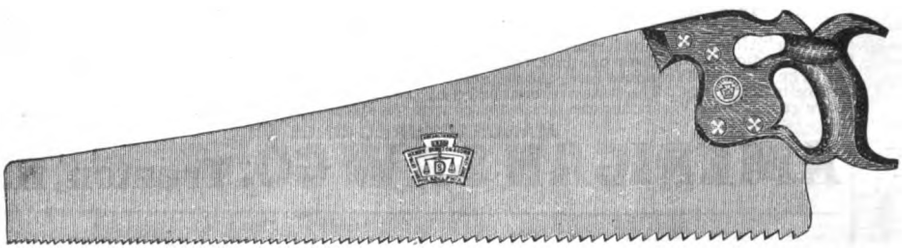
These rules sell well wherever shown. Trade price list on application.

SCALES, PLUMB-BOBS, THUMBTACKS, &c.

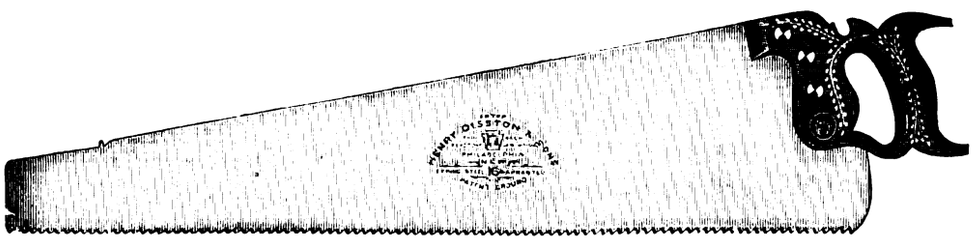


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

***** ——EVERY SAW FULLY WARRANTED.—— *****

Henry Disston & Sons,

(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

Carried in stock by all Jobbers.

NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

NICHOLSON FILE COMPANY

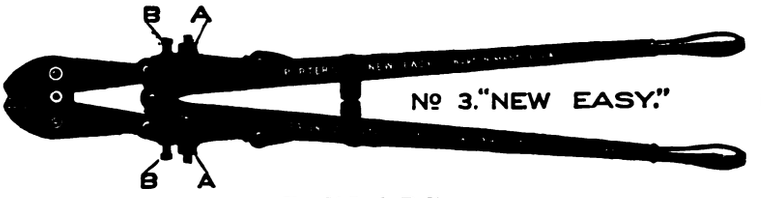
PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

Send for circular and price list.

Can be sold by all Hardware dealers.

OHIO "WATER TIGHT"

STEEL MORTAR and BRICK HODS

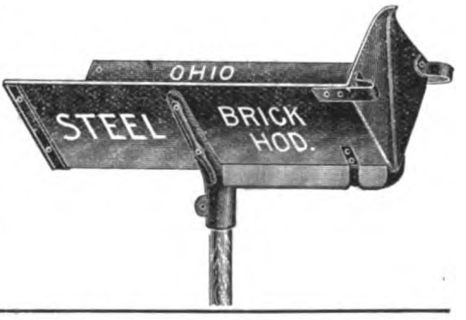


OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight" Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.

With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.

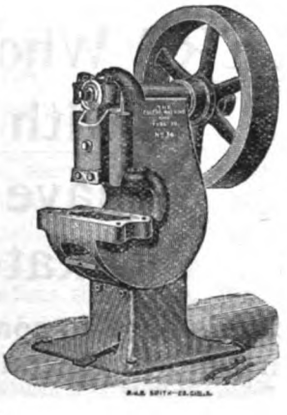


The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.

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REMINGTONS FOR '95

have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:
MENS'
$100,
$90,
$75.
26 in. Boys'
$50.



PRICES:
LADIES'
$100,
$75.
26 in. Girls'
$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

Send for Illustrated '95 Catalogue free. Agents wanted in unoccupied territory.

REMINGTON ARMS CO., 313-315 Broadway, New York.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,
Varnish Makers
—AND—
Color Grinders,
TIMES' BUILDING, NEW YORK.

WATERBURY BRASS CO.,
296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

-:-PERCUSSION CAPS OF ALL KINDS.-:-

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

THE
Roller Skates
Are Having Their Innings Now.

The SIDEWALKS DEMONSTRATE that on any Bright Day

A Full Line on Hand.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

Catalogue Sent on Application.

DEALERS Who Wish to Keep up with the times must have a stock of Roller Skates on hand.

The Demand is sure to come. Prepare in time to meet it.

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HARDWARE

VOL. XI. APRIL 25, 1895. NO. 2.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
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BRANCH OFFICES:

CHICAGO, - - - - - - No 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 101 NEAVE BUILDING.
LONDON, - - - Nos. 9 & 11 FENCHURCH AVENUE, E. C.
MELBOURNE, - - - - - - McLEAN BROS. & RIGG.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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Excellent Condition of the Hardware Club.

When that time was reached when it became necessary to furnish and fit the rooms of the New York Hardware Club, it was thought the part of wisdom to discount the future, to a small extent. The board of governors were authorized by the Club to issue bonds to the extent of $15,000, for the purpose of making certain that sufficient funds should be in hand to properly equip the Club, and with the assurance that at an early date these bonds could be retired. It was found necessary to issue these to the extent of but $11,000, all of which were taken by the members of the Club, and many more of which could have been placed if necessary. It was, of course, thought that a year or so might elapse before the time would be reached when any portion of these bonds would be retired. The Club rooms were opened in June last, and now, within ten months from that date, $5000 of these securities have been called in and retired. It may be taken for granted that this step has not been taken without ample funds left in the hands of the board of governors, to meet all present requirements.

We call attention to the above fact, simply for the purpose of showing that the Club is in a first-class financial condition, and that it has realized a measure of financial success far beyond the expectation of its founders. At the last election of members there were within five of the limit of 500 resident members, and since then there have been enough names posted to more than make these good. If there is any club in the country of the size and importance of the Hardware Club, which can make a like exhibit, both as to financial condition and membership within the first year of its actual practical existence, we would be glad to hear of the same, and to chronicle its good fortune.

Rapid Transit in New York.

It will be several years at least before the proposed underground road can be completed even if there are no insuperable obstacles experienced, and in the meantime why should not our present elevated roads be developed to their full usefulness? The committee of experts appointed by the Rapid Transit Commission have pointed out that by constructing a third track on both the east and west sides of the city, improved express service could be rendered at short notice. There is also no reason why the principal ferries should not be connected with the elevated system, and the public thereby greatly benefited. When travelers arrive at the Pennsylvania depot in Jersey City, walk on board the upper deck of a ferryboat on the same level, cross West Street on a bridge and then have to descend to the level of the street and walk two or three blocks in a jostling crowd, perhaps in the rain and lugging a handbag, they are very apt to ask themselves the question, Why are not the elevated roads extended to the ferries and a passenger enabled to step from the ferryboat directly to the elevated trains? With third track express service and ferry connections, the present elevated system could be of vastly greater usefulness to the public than at present, and by the time the underground road is constructed there would be traffic enough to tax all our transit facilities to their utmost.

We are compelled, by sad experience, to urge all parties who send HARDWARE electrotypes or cuts of any character for illustration, either in our reading or advertising columns, to be very careful in regard to the wrapping and tying of the same. Hardly a day passes without the loss of some cut of this character, which we know has been started in this direction, but becomes lost in the mails, through insecurity of wrapping. There is constantly on exhibition in the New York post-office a miscellaneous lot of articles of this character, for which no owner can be found, and for which somebody is perhaps anxiously waiting. A strong manila envelope with a clasp at the end, such as can be purchased in almost any stationery store, is by far the best medium by which cuts of this character can be sent. By paying attention to this suggestion, and seeing that the cuts are securely wrapped, no matter in what covering they may be sent, our friends will confer a great favor upon HARDWARE, and save incidental loss and annoyance to themselves.

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Mr. Haines on American Hardware in Europe.

Editor Hardware: Your esteemed favor asking me to give you my impression regarding the future business, of not only Bicycles, but of American Hardware in general in European countries, is duly received.

It is a very large question, and one that can be looked at and studied from several "Points of View." You are aware that for many years American manufacturers have been shipping many kinds of Hardware, such as carpenters' tools, files, auger bits, carriages, lawn mowers, harvesting machines, steel forks, hoes, rakes, etc.—in fact, in many sections of Europe the American goods bring higher prices than any other make, and are regarded as superior both in prices and durability. This is not only the case in non-producing countries, but, because of absolute superiority, American goods everywhere take precedence.

I wish to remark in passing, that this trade is not secured by making low prices, or by the American manufacturer cutting the wages of his employees; but as a matter of fact it is brought about upon the same principle of the artist whose pictures were being criticised by fellow artists, and wonder expressed as to the means used to produce so superior an effect. Artist Number Two claimed that he used the best materials and took exceeding pains; the difference was discovered in the fact that Artist Number One, while using the same materials, mixed them with brains; and so it may be said of the American manufacturer.

One of the serious drawbacks in our export trade is found in the fact that American manufacturers do not, or will not, understand the necessity of paying special attention to little details, such as fully prepaying postage; also properly packing in small as possible spaces; also making invoices in full detail to what the goods invoiced really are; taking out proper papers for the country to which the goods are destined; and seeking lowest possible rates of freight. All this, and many others go to make up the favorable or unfavorable impressions regarding the American manufacturer on the mind of the foreign buyer. Non-producing countries are universally in favor of American goods; but now the "alarm cry" is very general among the manufacturers of the old world especially on bicycles, and many dealers freely express themselves and admit the extraordinary fact that "Pushing Yankees" are not as formerly, content to export such goods as cannot be produced in the old world, but are bent upon sending "Coals to Newcastle."

It is also a fact that wherever American bicycles have been placed in Europe, they easily stand in the lead. The English and German mauufacturers have already taken alarm and the *Ironmonger* admits that their manufacturers have practically lost the American market, which they so tightly held only a few years ago, and tells them we are invading France, Italy, Scandinavia, and are fast making small inroads in the larger producing countries of both England and Germany.

They admit that the American bicycles are the lightest and easiest running, which is practically saying they are the best in the world. The cyclist papers of both England and Germany are making continued, but very weak, attempts to prejudice their buyers against American wheels. They claim that they are not built strong enough to withstand reasonable usage, but unless they can bring some stronger argument than this to buyers against the American wheels, they will have decidedly up-hill work to deter the buyer of the wheel from seeking the best; and very many of these people who condemn the American bicycle know nothing about them, but have got that pre-conceived idea that a thing to be good, serviceable or durable, *must be heavy*, and our experts as well as general riders who ride for the pleasure of it, almost universally express themselves saying, "We believe American bicycles are the best."

In my mind there is no doubt but that the field is open to American manufacturers. Whether we will capture it remains to be seen. Whether American manufacturers are ready to do what is obviously necessary to prove the superiority of our manufactories, and in what this necessity consists so far as I can judge I must leave for a future communication. Yours truly,

Indianapolis, Ind., April, 1895. S. A. Haines.

Does Not Believe in Net Prices.

Editor Hardware: Your Fifth Anniversary Number of Hardware we have read—reading matter and advertisements—we think with profit, and re-read and scan it more as we have opportunity.

Accept our congratulations and good wishes.

We wish to say a few words as to Net Prices, which we do not consider practicable at all on many goods, to say the least. The point made by your worthy correspondents, the Biddle Hardware Co. (of whom we have been customers for many years and hope to be many more), it seems to us, is not well taken, though appearing plausible reasoning. If lists subject to discounts are discarded, and net prices adopted, net price lists would constantly have to be made and revised, which could be sent to the consumer as easily as lists subject to discounts; and we would say right here that manufacturers should not send discount sheets to consumers, and it would be better not lists, but leave the dealer to deal with the consumer, thereby taking work off his (the manufacturer's) hands, and allow the dealer a sufficient discount to make it to his interest to advertise and push the sale of his goods in every legitimate way. We are retailers, not jobbing enough goods to call ourselves jobbers, and don't say even that manufacturers should interfere with the jobbers' trade by catering to the retail trade. The manufacturer can better get his goods pushed by giving the jobber a fair show, and the jobber doing the same by the retailer. Each would have fewer accounts to keep, less customers in number to look after, consequently fewer "lame ducks" to lose their profits by. If the manufacturer sends lists subject to discounts to the consumer, it can do no harm, unless he quotes him discounts, unless discounts are too small or lists too low for a decent trade discount. But if only net lists were printed and the manufacturer sends them to consumers, then this surely "cuts out" the dealer. There is much more we would say on the subject but it is 11 P.M., time for bed. Hoping that the Hardware business of the country may be placed on a firmer foundation at least, in the near future (though the foundation appears to be built on sand and giving away yet) whether it be gotten so in accordance with our plans or wishes, or those of others, we are, Yours truly,

——— ——, April 16, 1895. Fair Play.

Bicycle Shows of 1896.

The Board of Trade of Cycle Manufacturers have made the following official announcement regarding the cycle shows for 1896: It has been decided that it would be for the best interests of the Board of Trade to secure, if possible, the Second Regiment Armory and Battery D building on Michigan Avenue, Chicago, where the cycle show was held in January last. Negotiations were at once entered into with the National Cycle Exhibition Co., of Chicago, and as a result, President Spalding entered into an agreement with that company whereby the Cycle Board of Trade sanctions the holding of the Second Annual Cycle show in the above building for the week of January 4 to January 11, 1896. The action of the President has been approved by the Executive Committee of the Board of Trade. The show will run from Saturday to Saturday. Negotiations are already in progress for the National Show to be held in New York, January, 1896.

The use of the metric system is to be obligatory in Turkey after March 1, 1896.

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What Mr. Jennings Found in the West.

Charles E. Jennings, the well known and popular Hardwareman, of C. E. Jennings & Co., No. 79 Reade Street, New York, has recently returned from an extended trip in the South and Southwest. When seen by a HARDWARE reporter he was bubbling over with interesting information. On his journey Mr. Jennings stopped at Atlanta, New Orleans, Houston, San Antonio, El Paso, Los Angeles, Pasadena, San Francisco, Salt Lake City, Utah and Denver, Col., the total distance traveled being close to seven thousand miles. Mr. Jennings has before traveled extensively, having been through Europe, Mexico and the West Indies, but none of these places compare favorably in his eyes with Southern California, which appears at its best about now. The climate is delightful and exhilarating, and the landscape at this time of the year presents a panorama of lovliness hard to be equaled. The orange trees loaded with fruit, the semi-tropical foliage, and the myriads of beautiful flowers, the warm sun and cloudless skies, lead a wanderer from New York to fancy himself in fairyland. Mr. Jennings found business in a much more prosperous condition than he had been led to expect. The raising of fruit is, as is well known, one of the leading industries of California, and the failure of the orange crop in Florida has greatly benefited the California growers this year. Of late years vegetables have assumed a prominent place among the products of the Golden State, and now many car-loads are shipped to Chicago and other cities. Experiments have lately been made in shipping carloads of flowers from Los Angeles to Chicago, with success. Pasadena is a beautiful little city, and is a favorite, as a winter resort, for the rich of St. Louis, Kansas City and Chicago, many of the residents of the above cities maintaining charming villas there. Gold mining in Colorado has received an impetus, since the cheapness of silver has caused its mining to be abandoned by many. The production of gold during the present year bids fair to exceed the largest estimates yet made. These predictions are based upon the discovery of some wonderful veins of gold in Colorado.

Leadville, Col., often spoken of as the "Magic City of the Clouds," and the largest mining camp in the world, seems to be the center of the mining industry of Colorado. It is a city of 20,000 inhabitants and is situated at an altitude of 10,185 feet above the level of the sea. Leadville is well supplied with smelting plants. In 1892 the entire production of these plants reached $11,509,643. In 1892 the mines of the Leadville Mining District produced in gold, silver and lead $8,160,388. The bullion produced in 1893 from Leadville ores contained 21,627 ounces of gold and 6,676,687 ounces of silver. The mines extend under the entire city, and two of the shafts are in the heart of the city. Manitou, Col., is famous for its springs which possess wonderful healing qualities. It is located at the base of Pike's Peak and is surrounded by beautiful scenery, some of the most noted spots being the Garden of the Gods, Glen Eyrie, Seven Falls South, Cheyenne Canon, and Rainbow Falls Ute Pass. While in Salt Lake City Mr. Jennings met George H. Sargent of New York.

More Ancient Hardware History.

EDITOR HARDWARE: Hubert Van Wagenin, formerly in partnership with John C. Tucker in the "forties" in the old Hardware store, corner Dey and Greenwich Streets, the destruction of which was noticed in the anniversary number of HARDWARE, died in New York, September 11, 1850, at the age of 54, and was buried from his residence No. 54 Dey Street. At that time all the side streets west of Broadway, from Cortlandt to Canal Streets, were filled with private residences, many of our then leading merchants living very near to their places of business, and many of the generation previous having lived over their stores. Hubert Van Wagenin's father, William Van Wagenin, in 1791 opened a Hardware store at the corner of Pearl (then called Queen Street) and Beekman Slip (now called Fulton Street). He lived to be 76 years old, and died in 1846, a few years only before his son Hubert. The name of Van Wagenin, from 1750 to 1850, shines in the annals of Hardware history in this city as the family were well represented among the earliest dealers.

The old stand so long occupied by Osborn & Swan, at No. 33 Fulton Street, was established in 1750 by Hubert Van Wagenin, the father of William, who, until his death in 1806 always resided over his store. The store was well and favorably known in that part of the city, by having a "sign of a golden broad-axe," often mentioned in the journal during the Revolutionary period. His eldest son, Gerrit Hubert, was partner with him for a number of years, dissolving the partnership in 1791; and when the old gentleman died in 1806 this son continued the business on his own account, and afterward with his son Hubert as an associate, until 1820, when this business passed out of their hands and they were succeeded by others.

Gerrit H. Van Wagenin was vestryman of Trinity Church, and when a separate parish was formed in 1811 of the congregation of St. George's Chapel in Beekman Street, he was one of the first wardens elected. The old church building was destroyed by fire in 1814.

A correspondent of the *Tribune* a few years ago contributed an item of church interest by stating that about the year 1813 the Rev. Dr. Wm. Smith, who in the Episcopal Church is thought deserving of the title of the "Father of Chanting," secured its introduction in St. George's Chapel in Beekman Street. The innovation created the greatest surprise and indignation among the old people, and glances were exchanged as much in anger as in horror between the occupants of the pews; until old Mr. Gerrit Van Wagenin, a warden of the church, unable to suppress any longer his overflowing anger, arose and exclaimed: "Away! away! with your Jew jibberish, we want no such nonsense in the House of God! give us the psalms and hymns as of old!" and he walked out of the church. Old Mr. Walton of the famous Walton House, arose saying, "I go too," and directly the main body of the congregation followed his example; one old gentleman walked toward the chancel saying: "Well! is God or the devil to be in command?" By persistent effort, however, the voracious chronicler goes on to relate, Dr. Smith almost forced the prejudice to wear off in time, until at length the new service began not only to be endured, but to be popular as well.

Dr. Smith wore the black gown, and preferred the complete range of the church to the pulpit. He used to call the pulpit an "abominable box," being too confined for his energetic preaching. He died in 1821 and lies buried in Trinity churchyard, near the monument of Alexander Hamilton. H. H.

Entrekin's Cutter, Punch and Plyer.

S. W. Entrekin, Harrisburg, Pa., elsewhere in this issue calls attention to his Combined Cutter, Punch and Plyer. He states that it is a good selling tool, and one that should be in the hands of all sewing machine agents and users of sewing machines. The trade prices he gives are extremely low for an article so well made and containing so many tools in one—a knife, awl and plyer. A great many Hardware dealers are handling them, and Mr. Entrekin would be pleased to hear from all who are not. Some valuable hints as to prices, etc., will be found in his card upon page 47 of this number.

It is reported that the nail mill at Sunbury, Pa., will be put in operation by a number of capitalists of that place. "It is proposed to turn out 300 kegs of nails per day, which will give employment to upwards of seventy-five men and boys, and the company's pay will exceed $3500 per month."

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Death of T. P. Burke.

Tyree P. Burke, a well-known Hardwareman, died at the Hotel Gerlach, New York, on April 13th, after a brief illness. Death was caused by peritonitis. His funeral occurred on Sunday, April 14th at the Judson Memorial Church, Washington Square, and the interment was at Pembroke, Ky.

Mr. Burke was born in Indiana, at Madison, on April 9th, 1844. He received his education in the public schools of that place, and then entered the employ of Gray, Kirkman & Co., in Nashville, Tenn. He then entered the employ of the Simmons Hardware Co., St. Louis, and some years ago came to New York, and in company with W. S. Dodman, formed the firm of Dodman & Burke. This was followed by T. P. Burke & Co., James Surpless being the junior partner. A consolidation with J. C. McCarty & Co. followed; and when, at the end of three years, Mr. Surpless retired, and formed the firm of Surpless, Dunn & Alder, Mr. Burke continued still with J. C. McCarty & Co. In January last, because of failing health, and a desire to leave



T. P. BURKE.

the road, Mr. Burke retired from the firm, and became New York agent for the Rhode Island Perkins Horse Shoe Co., Providence, R. I., and the H. P. Nail Co., Cleveland, Ohio. He was a member of the New York Hardware Club, and of Kane Lodge, F. and A. M. He was of a genial, generous nature, trusted and loved by all who knew him, and counted his friends by the hundreds, in all parts of the country.

Annual Meeting Joseph Dixon Crucible Co.

The annual meeting of the stockholders of the Joseph Dixon Crucible Co., Jersey City, N. J., was held Monday, April 15th, at the company's general office at Jersey City. Minutes of meeting of 1894 were read and approved. The detailed statement showing the millions of lead pencils, cakes of stove polish, crucibles, etc., manufactured, met the hearty approval of stockholders present, which manifested itself later on by the unanimous re-election of the board of directors and officers. Out of a total of 7345 shares, 6393 shares were represented in person or by proxy. The full number was cast for each of the following gentlemen: E. F. C. Young, John A. Walker, Daniel T. Hoag, Richard Butler, William Murray, Alex. T. McGill, Jerome D. Gillett.

After the stockholders' meeting had adjourned, the newly elected board organized and unanimously re-elected: E. F. C. Young, president; John A. Walker, vice-president and treasurer; George E. Long, secretary.

The Joseph Dixon Crucible Co., established in 1827, are the most extensive manufacturers of Graphite products in the world. Their manufactures comprise Plumbago Crucibles, Graphite Facings, Retorts and other goods used in foundries and smelting works; Lubricating Graphite, Graphite Greases, Graphite Paints and Dixon's celebrated American Graphite Pencils, and Carburet of Iron Stove Polish. These goods find their way and meet ready sale in all the cities and towns of the civilized world.

Mr. Simmons Did Not Say It.

In the April 10th issue of Hardware it was stated upon the authority of a prominent manufacturer, that E. C. Simmons, president Simmons Hardware Co., St. Louis, had said "that the business of his company for the first three months of 1895, had exceeded the business for 1894 by $1,000,000." As Mr. Simmons is a constant reader of Hardware, this paragraph fell under his eye. He immediately addressed a courteous note to this office, denying that he had made such statement. "It is not correct," he explained, "and entirely out of line of truth. I have never made a statement of that kind, and beg you to correct it in the next issue." The correction is cheerfully made, the only regret being that the reported increase of sales cannot still stand before the world as an evidence of better times.

Mr. Sargent Returns.

George H. Sargent, of Sargent & Co., New York and New Haven, has returned from his trip to the Pacific Coast, after an absence of two months and more. His trip was solely for pleasure, and when asked by a Hardware reporter concerning business in that section, he asked to be excused from expressing an opinion, as he had kept that question out of his thoughts altogether. Mr. Sargent went via New Orleans and stopped at San Francisco, Portland, Seattle, Tacoma and other places. On the return trip he visited Salt Lake City, Denver and St. Louis, arriving in New York on Sunday, April 14th.

National Saw Works Fire.

The entire plant of the Cincinnati branch of the National Saw Co., with the exception of the polishing shops, was wiped out by fire on Tuesday night, April 16th. The exact loss is not now known, but it is fully covered by insurance. Temporary quarters have been secured, and the business of the company will receive no serious check. Orders will be promptly filled from the Newark and Millbrook branches. The works in Cincinnati will be rebuilt with all possible haste. The loss is estimated at $125,000.

Merrill Watson, of Chicago, has recently accepted the New York management of the Central Expanded Metal Co., of Pittsburg. Mr. Watson is an old newspaper man, having been city editor of the Cleveland *Herald* and editor and manager of the *Age of Steel*, published in St. Louis. After leaving journalism, he was closely identified for four years with the St. Louis Expanded Metal Co., so he will have a large amount of useful experience to apply to his latest venture. Mr. Watson has resided in Chicago for some time, and while there, was connected with the electrical industry, and was the Chicago representative of the Diamond Rubber Co., of Akron, Ohio. He expects his family here some time next week, and will reside in East Orange, N. J. He is a man of ability, of genial nature, and is a welcome addition to the New York Hardware trade.

An English bicycle company has recently sent three hundred wheels in one order to Russia.

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PORTER TO PARTNERSHIP.—XI.

I arrived home in the evening and found our store draped in black. To my mind it was the funeral of all my hopes as well as of the head of the firm. Mrs. Ely met me as if I were her son. Usually she was a woman of reserved dignity who kept all but her own relations at a quiet distance, but sorrow is a leveler of pride and pierces through any thin covering to the real person below.

I sat with Mrs. Ely all that night. My own troubles were nothing compared with hers. I had been mourning over the loss of business prospects, but when I saw her in the presence of her dead, I was ashamed of myself. The refrain of a great many songs and prayers is merely "money," but when the hand of God falls on a loved one, all the wealth of the world would be gladly given to bring him back. No doubt we have to be taught this lesson year by year.

After the funeral Fisher and I met Mrs. Ely's brother. There was a will and the affairs were left in good shape, but the question was, What would we do? I had no money, consequently I had nothing to say. Mr. Fisher spoke first.

"Must de shtore shut up?"

"What do you propose?" asked the administrator.

"Nossings. But must de shtore shut up?"

"That is for us to decide."

"Vhat you say, Marks?"

"If I had any money in it I would say a good deal, but the money is all yours and Mrs. Ely's."

"Mein Gott! ish de pusiness not yours yust so much as ours?"

"The business is all over; there must be a new start."

"Vell, ve vill shtart him."

"What do you propose to do in behalf of Mrs. Ely?" I asked the administrator.

"My wish would be to go on with the business just as it is, and make no change."

I began to brighten up. "Will you feel safe to do that?"

"Yes; Mr. Ely suggested it among the last directions he gave. Do you feel able to take the place?"

No, I did not, but I said I would do my best.

"Marks ish all right," said Fisher, enthusiastically; "any Yankees dat can shpeak de Yarman ish all right. No tomfool can learn dat lankwitch."

We all laughed at Fisher's standard for a smart man, but went to work arranging matters and soon had everything satisfactorily shaped. The old signs were to swing over the door and the old name would still be ours.

It seemed to me as if I had never done any work before, I was so eager to be doing something now. "It all depends on you," said Mrs. Ely, when I told her what we decided to do; and I felt that she was right. But I knew I could pull it through. My own opinion is never well to flourish a "new broom" too much, no matter if it does sweep clean. We are a people of to-days and to-morrows; yet, after all, we pride ourselves on our yesterdays. I like to see on billheads and letter-heads, "Founded 1850," or "Organized 1840," because I think it a proper pride to show the world that the house has stood a storm or two, and is going.

I had changes to make, but I made them without any flourish perceptible to outsiders. I organized our two stores into good working trim. They were just far enough apart so that the trade of one did not interfere with the other. I flooded the country with hand-bills and I represented our goods exactly as they were. The ordinary handbill is not a very elaborate affair, nor is there much thought wasted on it. As I pick them up in country stores I am astonished that so little care is taken with the printed matter sent out by retail dealers. Like almost everything else, if worth doing at all it is worth doing well. I gave as much thought to a hand-bill that I was going to throw around the streets as I would if there was to be but one printed, and that one going to the nicest lady in the land.

It is unnecessary, perhaps, to say that we prospered; no one working as we did could help but prosper. We made new friends daily; our goods were always just what we said they were; our prices were reasonable and the same to everyone alike, and we took special pains to be accommodating. The times were good; new railroads sprang up every year, and our town was a center for shops and workmen. Following the railroads came manufacturing enterprises, and almost in a night our country town turned into a sprightly city, with smaller towns tributary to it all around us. We scarcely noticed the beginning of it, but we had a good wholesale trade under way before we ever thought of wholesaling. By little and little we worked into a steady trade with the small towns around us, and began to buy goods in large quantities. One ruling principle has guided us from the start, and this was that our profits should lie in the business year by year. We built no palatial residences, we owned no fancy horses, we devoted our time and our money as we made it to our business.

I began to feel the effects of close work, and one day put up a little valise full of samples and started on the road as a drummer. My success was fully up to my expectations, and I had a younger brother whom I saw I could work into a salesman for the road, so I began to lay my plans that way. We had to divide our retail and wholesale trade the following year, and we thought it about time to divide up the business. Fisher took the Germantown store, Mrs. Ely's brother and myself our retail store, and my brother and I the wholesale trade. I continued to buy the goods for the three stores and my brother did the traveling.

"Did we succeed?" do you ask. Did you ever know a man who worked hard, sold goods at a profit, and lived within his income, to fail? Not many such, I venture to say. Yes, we succeeded. The same rules that are good at retail are just as sure to win at wholesale. We built up a substantial trade and increased it yearly. When the war came we were in the field with a good stock of goods, and we made money as everyone else made it. We are still pegging away, and when you come our way, whether you are buying or selling, give us a call, and we promise to give you a hearty welcome. If you are a clerk striving for a foothold, take courage, and be sure that no man who ever deserved it failed to succeed.

Quoted from a clerk who is supposed to know all about it: "There is such a difference in the way men and women buy. A man will come in and tell you what he wants, ask how much it is and pay for it. A woman asks the price of an article, then tries to beat you down, and may wind up by not buying or else paying the figure after a prolonged kick."

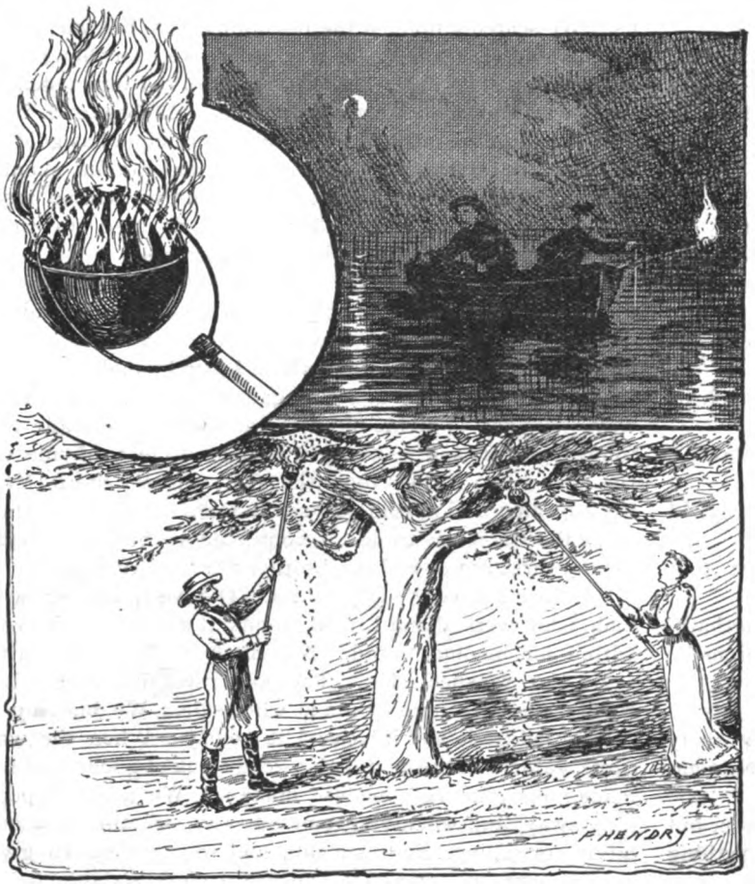
The Pittsburg Reduction Co. are ready to furnish hardened aluminum alloys in plates which have a specific gravity of 2.72, and only a very few per cent. of hardening ingredients, with a tensile strength of 45,000 pounds, an elastic limit of 55 per cent. of the ultimate, an elongation of 8 per cent. in two inches.

Col. E. L. Roche, president of the Bartow Hardware Co., Bartow, Fla., has been appointed State Commissioner for South Carolina to the Cotton States Exposition at Atlanta.

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The Asbestos Torch.

The Asbestos Torch is an article which Smith & Whittier, No. 116 North Street, Boston, are successfully placing upon the market. It is a new device for ridding fruit and ornamental trees of insect pests, for use at night in driving away mosquitoes and other insects, night fishing, etc., some of its uses being noted in the illustration accompanying this. The cup is completely filled with asbestos, which is saturated with oil and lighted, and will burn for about an hour before the oil is consumed. The asbestos remains uninjured by the flame, and can be used indefinitely for an absorbent. The makers say: "The Asbestos Torch is sure death to the tent caterpillar and cocoons of moths, and all other troublesome insects and grubs that infest trees, shrubs and plants. If properly applied, the flame cannot injure the tree or plant, and this torch will save annually many dollars and much vexation. It may be made useful in other ways, and one or two placed on verandas or other exposed places would banish the mosquitoes during the sultry summer evenings. For night fishing it will be found far better than the clumsy pine torch. It met with great favor from seedsmen and fruit growers last season." Further information can be obtained by application to the manufacturers, at the address above given.



The "Acme" Hose Coupler.

The Adams & Westlake Co., Chicago, have been very successful in marketing their "Acme" Hose Coupler. It is made of heavy brass throughout and described as "standing the roughest usage to which it may be subjected." Its simplicity is a great point urged in its favor; with "no screws to get out of order—nothing to get damaged or broken, two positive motions and you have a water-tight joint."

The makers add: "It is made for new hose, and also for hose fitted with old screw couplings. No necessity to discard old couplers—our couplers can be used with them with perfect satisfaction.

"Fasten a waste nut in a prominent place in your store, then screw on a common faucet. Next attach a short piece of hose fitted with our couplers. It will sell the goods. You will be astonished to find how many people must have them. Try it, and be sure to keep your stock up or you will run out and the other dealer will make the profit. Remember you do not tie up any money in samples. The waste nut is free, the faucet you can put back in stock, likewise the couplers. If you are a hustler have some bright men canvass your section. They can make good money and you more. Let them carry the goods with them, and when they make the sale have them put on the couplers with the A. & W. Hose Bands; no tools required; anybody can apply them. Simplest thing on earth."

Burditt & Williams' Thirty-fifth Anniversary.

One of the old landmarks of Boston, Mass., is the venerable building, No. 20 Dock Square, whose towering sign, "A Hardware Store For a Hundred Years," is familiar to everybody. April 2nd was the thirty-fifth anniversary of the day when two active and ambitious young men, Charles A. Burditt and Joseph Williams, put up the sign of Burditt & Williams at the above number, and, with the assistance of two other young men, began their business career. The original parties to this enterprise, augmented by J. A. Munroe, who later joined the firm, celebrated this anniversary at Young's Hotel on the 2nd. Though scarcely feeling bowed with age, Messrs. Burditt and Williams find that their firm has become the oldest in the city in their line, and can look back upon years of remarkable change and growth. In the firm's earlier days foreign Hardware was an important part of the stock, but is now entirely supplanted by that of home manufacture, and plain iron and brass have been superseded by elaborately finished bronze. Forty people now find busy occupation where four were ample in 1860, and the amount of business in a month now often exceeds many times that of the entire first year of the firm's establishment. It was an occasion well worth especial commemoration, and it was thoroughly enjoyed.

"I make more money out of heating stoves than most Hardware merchants do," remarked a St. Joseph, Mo., second hand dealer. "The reason is that I frequently sell the same stove three or four times at a profit. See that baseburner sitting over there? I sold that in the fall of 1892 for $22, bought it back a year ago for $9, sold it last winter for $18 and took it in again a few days ago for $7. It is in pretty good shape yet, and ought to realize me $10 or $12 next winter. A great many people sell their heating stoves in the spring because they have no place to store them, or because they make up their mind to buy a new one when winter comes again. But when cold weather arrives, they come back and buy the same stove again or one just like it. I have one stove here which I have sold five different times and taken back as many times. It cost me $11 in the start and I have made $87 out of it already."

On the morning of Tuesday, April 2nd, the workshops of the Illinois Safety Heating Co. were partly destroyed by the disastrous fire which visited St. Charles. A number of valuable drawings and patterns of the company's new heater were consumed. Temporary quarters have been secured, and the company hope to get samples ready for exhibition within three or four weeks. The fire is supposed to have been caused by tramps, lodged in an adjoining mill, and $75,000 worth of property, mostly owned by stockholders of the company, was consumed.

The day of the roller skate seems once more at hand.

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American Export Trade.

The following points of valuable information have been taken from a letter published in a recent number of the *Cincinnati Commercial-Gazette*, by James P. Gardner, an expert upon the topic which he so ably discusses:

While previous to 1890 some export trade had existed between this and some portions of foreign countries, it did not include all, and only a small portion of it went to Spanish and South American countries. Previous to reciprocity there were high duties on the products of this country, which deprived us of a large amount of trade in South American countries. Under reciprocity treaties our exports greatly increased, and would have continued to increase had they not been set aside. The value of our exports from June 30, 1892, to June 30, 1893, was $831,030,785; from June 30, 1893, to June 30, 1894, was $869,207,941, an increase in 1894 over 1893 of $38,177,156, a very gratifying showing considering the condition of affairs in this country during the last two years. The total value of our exports from June 30, 1892, to June 30, 1894, was $1,700,238,726. There was exported in agricultural implements, animals, paintings, statuary, books, maps, brass manufactures, $80,890,773; breadstuffs, $367,087, 212; building and fire brick, broomcorn, brooms, brushes, candles, carriages, horse cars, passenger and freight cars, chemicals, medicines, clocks and watches, $26,783,215; hard and soft coal, copper ore and manufactured copper, $53,166,041; coffee, cocoa, etc., $231,013; cotton and manufactures of, $425,790,772; eggs, fertilizers, stone and chinaware, fish, flax and manufactures of, fruits, furs and fur skins, $35,375,061; glass and glassware, glucose and glue, gunpowder and other explosives, manufactures of hair, hay, hops, manufactures of rubber, all kinds of inks and scientific instruments,. $31,602,854; iron ore and manufactures, $59,320,084. Of this there was machinery, hardware, sewing machines, stoves and ranges and other manufactures the value of $48,399,113. Jewelry, manufactures of gold and silver and of lead, lamps of all kinds, leather and manufactured liquors, marble and all kinds of roofing and musical instruments, $36,471,790; of this there was of leather and manufactures of, $26,195,000; musical instruments, $2,792,222; naval stores, $14,078,249; oil cake, animal, mineral and vegetable oils, $30,969,221; illuminating and lubricating oils and paraffine, $82,993,299.

Gold and silver ore, plated ware, cosmetics, paints and colors, manufactures of paper, $6,616,933; provisions of all kinds, $283,663,854; quicksilver, seeds, manufactured silks, distilled spirits, soap and other items, $23,956,723; electrotype plates, straw and palm leaf goods, sugar and molasses, confectionery and manufactured tin, $8,204,158; tobacco, $54,867,140; of this there was in leaf tobacco $46,977,133; toys, trunks, valises, whalebone, vegetables, wines and other articles, $6,686,751; logs, lumber, staves, etc., $41,-481,565; house furnishings, furniture and other articles, $12,826,925; manufactured wool, zinc and other articles not elsewhere stated, $8,203,253; steamers and sailing vessels sold to foreigners, $223,174.

There was exported to the United Kingdom and her possessions, $860,495,731; other countries in Europe, $223,465,-380; Germany, $154,308,025; France, 93,841,319; Mexico, $18,976,653; Central America and British Honduras, $7,732-241; Cuba, $38,303,896; West Indies and Bermuda, $33,310,-695; Argentine Republic, $9,610,993; Brazil, $26,229,404; Colombia, $5,207,741; China, $10,222,928; other countries in South America, $18,916,442; Asia, Oceanica, Africa and other countries, $31,184,490. There was a decrease in 1894 of the exports of wheat of 28,705,879 bushels, and an increase in the exports of wheat flour in 1894 of 3,392,292 barrels. There was an increase in the export of corn in 1894 of 19,287,567 bushels; an increase in the export of agricultural implements, animals, coal, leather and manufactured cotton goods in 1894 of $37,775,000. There was also an increase in the exports of furniture, organs and pianos, carriages, horse and steam cars, and various products of iron and steel and other articles of a very pleasing amount in 1894.

Of all these articles there was carried in cars and other land vehicles, $83,797,683; in American steam and sailing vessels, $88,640,205; in foreign steam and sailing vessels, $1,339,912,656. From statements it will not be difficult for the American people to appreciate the importance and value of our export trade, and its benefits to this country in building up our industries and furnishing employment for thousands of workmen. They as well furnish the strongest evidence of the great value reciprocity has been to this country, and will be if continued in force in future years, in increasing our exports to an amount larger in excess than what has been done, such as our people little realize or may do so till they have the evidence that it will be so.

OUR MERCHANT MARINE.

The statement here given of our exports in American vessels during these few years, and of what was sent in foreign vessels, shows that our merchant marine is to all intents and purposes destroyed. The amount exported in American vessels is so small it should wake our people up to the great need of not allowing time to pass by and not make a decided change in this condition of our affairs. The action taken by this Convention is so decided and unanimous that our members of Congress and Senators will not fail to see that something must be done, and that very soon. Ship-building is one of our important industries, and would be so to a greater extent in the investment of capital and furnishing employment to thousands of workmen not now having it, if effective laws were passed restoring our merchant marine to what it was many years ago. Our country has obtained a great reputation for the superiority of its manufactures over those of foreign countries, as was well illustrated in our very fine exhibits in the World's Fair in 1893. In this, as in all other matters, they are not content with what they have done, but are determined to improve over it in every way. That our inventive genius is such that the great advances made are a marvel in themselves will be admitted by all who are informed of such matters.

As in the past, Americans will go on conquering and to conquer in all these material interests till they will have attained still higher ground, and America shall stand as the highest emblem of the great genius of her people in all things in the elements of a great country, and will send out her beacon-light as the greatest, grandest and most glorious country in the world. Well may all be proud of the grand position this country has attained in all its educational, social and material interests in saying they are American.

James P. Gardner.

The Gilbert & Bennett Co. are Ready.

The Gilbert & Bennett Mfg. Co., Georgetown, Conn., No. 44 Cliff Street, New York and No. 148 Lake Street, Chicago, have recently installed at their Georgetown plant new boilers of 250 horse-power capacity, and a 150 horse-power engine. They now have six engines at Georgetown besides, and extensive water power. They have also recently added a new two-story building, about 150 feet long and 40 feet wide, which is being utilized for storage and manufacturing. The company, having thus increased their facilities, are now prepared to make prompt shipments of their specialties, including Poultry Netting, Window Screen Wire Cloth, Pearl Wire Cloth, "G. & B." Web Wire Fencing and Galvanized Wire Cloth.

The nail manufacturers of Canada have fixed the price of cut nails at $2.10 per keg delivered at any point in Canada in ten-keg lots. Does this mean that the association will sell direct to retailers?

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Hardware and Shakespeare.

The sad-eyed Thespian who was temporarily out of a job, leaned against the sunny side of the City Hall, and held to the lapel of a HARDWARE reporter. as he disposed of Shakesperian lore at ten knots to the hour.

"Did it ever strike you, me son, that the immortal Bard of Avon knew something about the Hardware trade?"

"I have never looked into it," said the reporter; "can you find anything of his that will bring the American retailer and jobber into mutual ——"

"None of the sordid views of your trade, me boy. Let us approach the theme from the poetical side. In every play we find evidences of his knowledge of your trade."

"For instance——?

"For instance, hear Iago speak of 'Bells in your parlors;' hear Touchstone talk of 'As the ox hath its bow, sir, the horse its curb, and the falcon her bells.' Boyet in *Love's Labor Lost* says that mocking tongues

> Are as keen
> As is the razor's edge invisible,
> Cutting a smaller hair than may be seen.

"Cassius talks of 'strong links of iron,' Of traps, Polonius says, 'Ay! springes to catch woodcocks.' It was Shakespeare who created the expression 'Dead as a door nail.' In *Henry IV.* we hear the king talk of 'A watchcase or common 'larum bell.' In Macbeth:

> Go bid thy mistress, when my drink is ready
> She strikes upon the bell.

"In the *Taming of the Shrew* we read:

> In ivory coffers I have stuffed my crowns,
> In Cypress chests my arras, counterpoints,
> Pewter and brass, and all things that belong
> To house or housekeeping.

"Is that all?" asked the reporter, edging away.

"All! I could quote you for the hour, me gentle boy. In one place you find mention of 'a pewterer's hammer;' again, 'a brazen candlestick;' a 'gate of steel' and 'joints of steel:' and 'like a rib of steel to make strength stronger;' 'pins and poking sticks of steel;' 'the necessary bits and curbs for headstrong steeds;' and again: 'His man with scissors nicks him like a fool.' Oh, there is no end to them. In *Trolius and Cressida* is the line: 'And buckled in a waist most fathomless.' We read of spurs, hammered iron, a crow-bar, chains, bolts, wire, the testing of iron, of spoons, mattocks, a pickaxe, hinges——"

"What was the list on these?" asked the reporter eagerly.

"Of hobnails, doornails, a fire shovel; a poker comes into a *A Winter's Tale;* knives and forks; buckets and riveting hammers. In other places——

But the reporter had made his escape safely.

Views of an English Iron Authority.

J. S. Jeans, secretary of the British Iron Trade Association, and a writer on engineering subjects, is visiting the United States in company with S. Price-Williams, England's great expert on railroads. Mr. Jeans is undoubtedly the best authority on the iron and steel industry in Great Britain. When interviewed recently by a HARDWARE reporter, at the Fifth Avenue Hotel, Mr. Jeans said: "The prime object of my visit is to find out, by close investigation, how far ahead of England the United States are in the cheapness of production of steel, and what the chances are for a successful American competition." Continuing he said: "More steel can be purchased to-day for a sovereign ($4.86+) in the United States than in England. One of the reasons for this is that the industry here is not so handicapped with trade associations as it is in England. There the trade associations dictate terms to the producers, and if these terms are not complied with the offender is boycotted. It is a well known fact that for some time past the production of both iron and Bessemer steel in England has been at a stand still. As recently as five years ago England had no great competition in this great industry, but now Germany and Belgium are looked on as dangerous rivals. The competition of Germany is felt especially in India, Australia and the colonies. In India though the duties are controlled by the Imperial Government, and she is to all intents and purposes a part of Britain. Germany has more than held her own. This is largely due to the method of production pursued in Germany. There the steel and iron mills are run to their full capacity, and after the home consumption has been supplied the surplus is exported and sold for any price that it will fetch. This is a competition that England cannot meet. Germany's entire production is in the neighborhood of 600,000 tons. From 300,000 to 400,000 tons is consumed at home and the balance exported." There are two ways to remedy the evils and put England on her former footing with her competitors, as Mr. Jeans explained. "One is to lay the matter before the trade associations and endeavor to get labor to co-operate with capital, or to get Parliament to interfere and make laws and regulations." Mr. Jeans will probably visit Pittsburgh and Cleveland in pursuit of his investigation.

A Garden Hose Acrostic.

The following ingenious acrostic comes from the mental workshop of the Cleveland Rubber Works, of the Mechanical Rubber Co., Cleveland, Ohio:

Consider for a moment the subject of
Long life in Garden Hose!
Everybody is disgusted with Rotten Hose, flimsy, worthless stuff, in which
Vitality is sacrificed to gain cheapness; quality and strength entirely disregarded.
Endless dissatisfaction, and innumerable complaints are sure to result.
Lamentable indeed is this state of affairs, but fortunately there exists
A remedy, which the severest tests of time and hard service have proven will
Never fail to fully overcome all the faults and defects common to hose.
Durability is guaranteed and hose rendered absolutely water tight by the
'Seamless tube method of manufacture.

"Second to none" is what we claim for our hose made by this process.
Enormously increased sales for each succeeding year prove its success,
Attained on its own merits—machine made—there is no liability of defects.
Millions of feet turned out every year, bring not a single complaint.
Lapped seams in the tube will work apart and admit water to rot the duck.
Exclusive use of this valuable improvement is covered by letters-patent which we own.
See to it that your hose bears our trade mark stamp. Look out for imitations!!
Secure the agency for our goods in your city and business will pick up.

There is a demand for hose that will last and do service year after year. Ours is
Universally acknowledged to fill perfectly this long-felt want.
Buyers are quick to recognize and appreciate the value of this new feature, and
Eager to escape the annoyance and trouble caused by defective goods.

Have you seen or made a trial of any of
Our Grades: 2-X-L., High Pressure, High Grade, Blue Line Cotton, Etc., Etc.?
Samples, lowest prices and further information gladly submitted on application.
Each sale will bring you others, and the hose will *stay sold;* be paid for; never leak.

It is reported that aluminum horseshoes are to be manufactured by a company of Chicago millionaires. "They propose to establish a plant which will make a supply sufficient for the world."

The New York Hardware Club has now reached a membership of 577—483 resident and 94 non-resident.

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The History of One Humber Wheel.

The following letter carries its own explanation:

Washington, D. C., April 5th, 1895.

Messrs. Humber & Co.

Dear Sirs: This Humber of mine, No. 4401, is now in its ninth year of service, ridden all seasons and weathers over 27,000 miles, and good for 50,000 more. It has the *tenth* rear tire on; the original bearings, yet perfect; every original ball; the crank shaft has never been opened; every original nut, bolt, cup and cone; the *original* chain; original front sprocket; the original rear sprocket was used seven years before it got sharp; the original pedals, and what is left of the original enamel and nickel after such hard service and exposure.

This machine has all the original spokes except four, and two of those were kicked out in a collision in 1887. During this collision a wagon loaded with nine coal stoves passed over the machine and rested on it while the driver apologized. In this collision and runover but two spokes and the original step were broken. Repaired O. K. in 90 minutes for 75 cents. Six drills were broken trying to bore that little hole in lamp bracket. My riding weight is 198½ pounds. The price of this Humber was $185. Repairs insignificent and rarely necessary. For economy of maintenance and greatest return for outlay I do not see how I could have done better. The best *is* the cheapest.

Respectfully yours,

George W. Walter.

The New England Hardwaremen.

The regular monthly meeting of the New England Hardware Dealers' Association was held at the United States Hotel, Boston, on Wednesday evening, April 10th. No business of any special note was brought before the meeting, excepting the formation of two new committees, namely, "Pricing" and "Investigating," and D. Fletcher Barber, of Chandler & Barber, Boston, was elected auditor. The members of the committees are as follows: Pricing, chairman, Hiram G. Janvrin, Boston; E. M. Richardson, Waltham, Mass.; A. M. Gardner, of A. M. Gardner Hardware Co., Boston; G. W. Burditt, Cambridgeport, Mass.; C. M. Nichols, Dorchester, Mass. Investigating, M. A. Chandler, of Chandler & Barber, Boston; G. W. Burditt, Cambridgeport, Mass.; W. E. Plumer, Somerville, Mass. The guests of the evening were David M. Ladd and A. M. Hunt, of the United Mercantile Agency of Boston. A very social, pleasant evening was spent.

Designed the Conductor's Punch.

Luther O. Crocker, one of Braintree's best known citizens, died at his home in East Braintree, aged sixty-six years. Mr. Crocker was born in Dedham, January 11, 1829, and was the son of Luther H. Crocker, a noted inventor in his day. Mr. Crocker inherited his father's inventive genius, and in 1865 he designed the conductor's ticket punch. The first of the make was used by Conductor William Osborne lately deceased, who was then in the employ of the Old Colony Railroad. Mr. Osborne took the punch on trial, and it worked so well that Mr. Crocker had it patented in 1867. Mr. Crocker also made the punch that was used on the first through train on the Union Pacific Railroad, and he also made them for Charles Dickens and for Grand Duke Alexis of Russia, the design of the latter being the armorial bearings of the royal family. Medals were awarded to him by the Massachusetts Charitable Mechanic Association in 1869 and a silver medal by the National Exposition of Railroad Appliances at Chicago in 1893.—*Boston Journal.*

Boys and Air Guns.

There is a bill pending in the Legislature to prohibit the selling of fire arms or air guns to boys before they reach their majority. This is a measure that should meet with prompt and favorable action. A great many lives have been lost owing to the reckless handling of dangerous weapons in the hands of boys, and the law cannot come to the rescue any too soon. A boy with an air gun is a terror to the community, and as long as he is permitted to prowl around the neighborhood with the deadly weapon over his shoulder the lives of the people will be in jeopardy. During the past few years several persons have been shot in this city by these so-called harmless air guns. One man had his teeth knocked out while driving along West Fourth Street, and a colored woman was laid low while passing along the railroad near Hepburn Street. Similar stories come from all over the State. Let the pending bill be passed.—*Williamsport (Pa.), Bulletin.*

Death of Douglass Everett.

The death is announced of Douglass Everett, secretary of the Chattanooga Hardware Co., Chattanooga, Tenn. His death was not unexpected as he had been suffering for some time with a complication of stomach and kidney troubles. Mr. Everett was about thirty-five years of age. He went to Chattanooga from Columbia, Tenn., about fifteen years ago, and engaged in the Hardware business as salesman for Vance & Kirby. After remaining with them for quite a while he became connected with J. H. Warner & Co., in the Hardware business. When the firm was succeeded by Carter, McGill & Ewing he was one of the stockholders, and when this firm was merged into the Chattanooga Hardware Co. he was elected secretary of the corporation. Mr. Everett was in the Hardware business nearly all of his life, and had the reputation of being one of the best informed men in the State on this particular line.

Some days since the two five-story buildings, Nos. 1220 and 1222 Main Street, Wheeling, W. Va., occupied by T. T. Hutchisson & Co., wholesale Hardware and saddlery dealers, and W. H. Chapman & Sons, wholesale painters' and builders' supplies, collapsed, burying ten men beneath the ruins. The debris took fire from a natural gas leak, and, a dense cloud of smoke arising, the efforts of the rescuers were greatly impeded. Six persons were killed, among them being three employees of T. T. Hutchisson & Co. Among those injured, but who will recover, was T. T. Hutchisson, the senior member of the house.

C. E. Jennings & Co., No. 97 Chambers Street and No. 78 Reade Street, New York, have been appointed agents for Chandler's Ice Cutting Machines. This is a small, compact, simple and strong machine, which cuts the ice into small diamond shaped pieces with ease and rapidity. It can be attached by screws to any table, shelf or counter, and occupies a space only eight inches square. It is made in four sizes, and prices and further information can be obtained by addressing the agents at the above numbers.

The Hebrand Co., manufacturers of razors and razor strops, have removed their New York office to No. 97 Chambers Street, with stock and a full line of samples. Catalogues will be mailed upon application. Frank A. Ford is representative of the company, and will look after the Eastern trade.

A new factory is being erected on Grand Avenue, New Haven, Conn., by J. F. Molloy, to accommodate his tinners' supply and buckle business. The new factory will give employment to 100 hands, and will cost $10,000.

The Economy Ice Cream Freezer Co., Huntsville, Ala., is the title of a new concern which has been organized to erect a factory. S. S. Pleasant is president.

Customer (in Hardware store)—"Do you sell the Golden Rule?"

Smart Clerk—"We don't even keep it."—*Philadelphia Enquirer.*

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

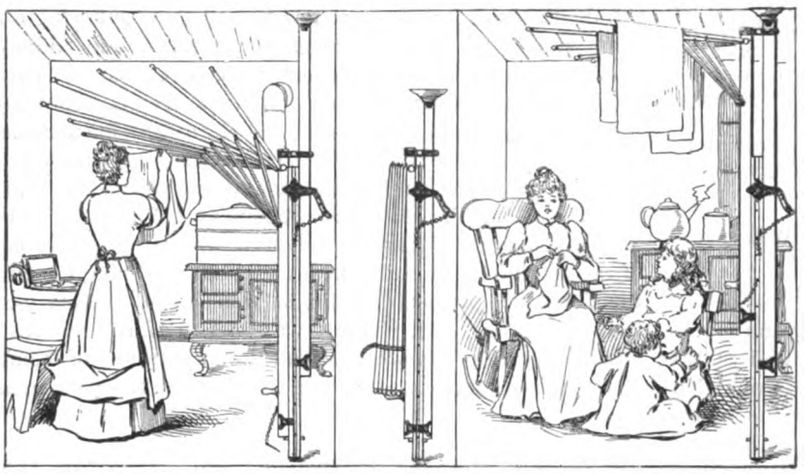
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

The Eureka Clothes Horse.

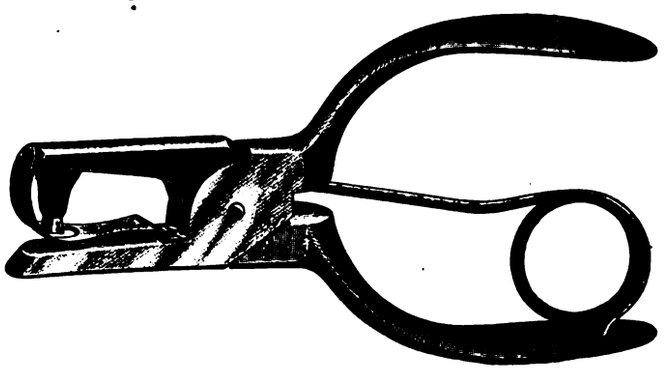
H. Young & Co., No. 19 East Sixteenth Street, New York, are introducing the Eureka Clothes Horse, as shown



in the accompanying illustration. The horse is composed of ten dowels or arms, which spread for hanging clothes on. It can be made to fit any room, and extends from the floor to the ceiling. The arms with the clothes can be elevated to any desired height, the clothes thereby drying in a short time. The makers state that the horse proves a great benefit in wet weather, and can also be used to air clothes on after they are ironed; and when folded up, it occupies but little space.

Hill's '96 Ticket Punch.

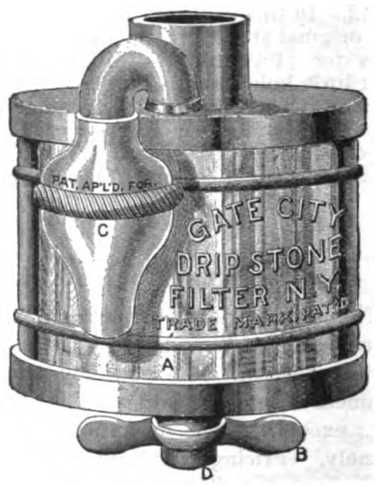
Warren Hill & Co., Hartford, Conn., are putting on the market the Ticket Punch, illustration of which appears here. The makers describe it as "a punch suitable for the Hardware trade, being well made, simple in construction, and not liable to get out of order. The joint at fulcrum is made strong, thereby keeping the dies in line, to preserve their cutting edges. The operation of its levers is very



quick and easy and in all points is desirable for a medium priced punch used by printers, restaurants and miscellaneous purposes."

Gate City Stone Filter.

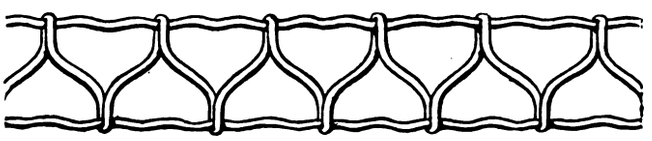
The Gate City Stone Filter Co., No. 35 Murray Street, New York, have just placed upon the market the faucet filter shown in the accompanying cut. "The metal portion of the filter is made of brass nickel-plated. Between the metallic bottom and top pieces of the filter is a glass barrel surrounding the Gate City natural stone A, through which the water filters. There is a hole running perpendicularly through the stone, closed at the top but open at the bottom, through which the water is discharged after it is filtered. There is a space of one half inch between the outside of the stone and the inside of the glass barrel. In operation the filter is attached to the bib at the opening in the top, the water filling the space between the stone and glass barrel filtering through the stone, and is delivered at the outlet D. The impurities from the water are deposited on the



surface of the stone, from which they are removed by brushing. A few turns of the thumb-screw B permit the base to which the stone is attached to be taken out for that purpose. The manufacturers state that the capacity of the filter is five gallons or upward per hour, according to the pressure and the amount of deposit in the water. The filter can be attached to any faucet even when there is no thread, by the use of a connection furnished. Among the advantages claimed for this filter are that the glass case enables the process of filtering to be seen; that the impurities never penetrate, but lie on the surface of the stone; that brushing the surface of the stone presents a fresh filtering surface to the water, and that after years of use the stone will be found internally as pure and white as when originally mined. The size of the filter is 3½x4 inches and the size of the filtering stone is 2½x2½ inches. When unfiltered water is desired it is drawn from the faucet C. Turning the milled ring on to the faucet to the left allows the unfiltered water to flow and turning it to the right closes the faucet. The filter is made both with and without the faucet C. New filter blocks, with directions for replacing, can be obtained when necessary."

The Woodard Wire Fencing.

The Woodard Fence Wire Co., Hornellsville, N. Y., are putting on the market the Wire Fencing shown in the illustration here given. The representation shows the wires one-third the actual size. It is made of Nos. 12 and 15 galvanized steel wire, and is put up in rolls of 60 to 90



THIS CUT ONE-THIRD SIZE OF WIRE.

pounds. The makers claim that the crimped side rails will supply all necessary needs for expansion and contraction under heat and cold, and prevents, to a large extent, breaking or sagging. It is furthur described as being visi-

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ble, strong, and of such attractive design that it is equally adapted for the fencing of the lawn as well as the farm. The strand is 1½ inches wide.

The Handy Window Shade Bracket.

The Window Shade Bracket, herewith illustrated, has recently been put on the market by J. F. Maxwell, No. 73

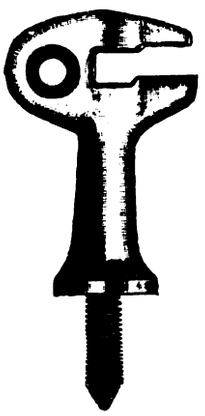


FIG 1.

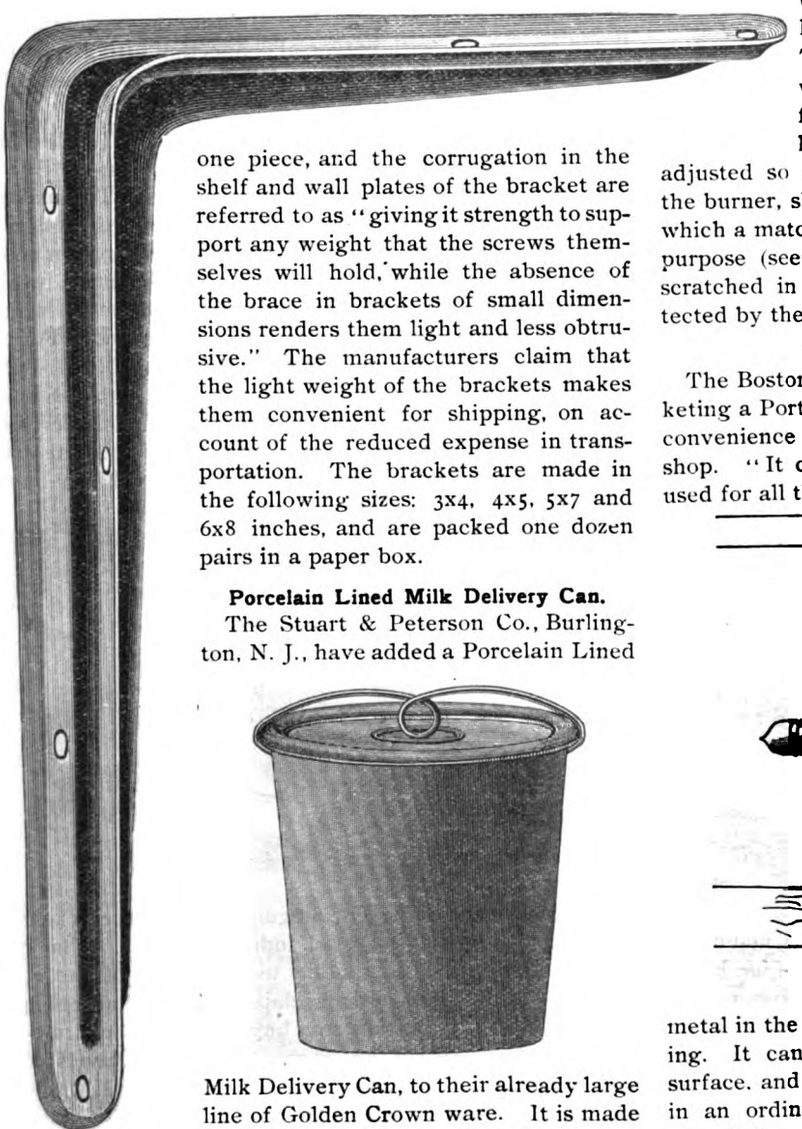


FIG. 2

Hanover Street, Boston, Mass. It is made of cast iron with a wood screw attached, and is designed, so the maker states, "to take the place of old style brackets that require screws to fasten them up. It is neat in appearance and will fit any spring shade manufactured."

The Premier Shelf Bracket.

The National Wrought Steel Mantel & Metal Co., No. 81 New Street, New York, are introducing a wrought cold rolled steel Shelf Bracket, here illustrated. It is made in



one piece, and the corrugation in the shelf and wall plates of the bracket are referred to as "giving it strength to support any weight that the screws themselves will hold, while the absence of the brace in brackets of small dimensions renders them light and less obtrusive." The manufacturers claim that the light weight of the brackets makes them convenient for shipping, on account of the reduced expense in transportation. The brackets are made in the following sizes: 3x4, 4x5, 5x7 and 6x8 inches, and are packed one dozen pairs in a paper box.

Porcelain Lined Milk Delivery Can.

The Stuart & Peterson Co., Burlington, N. J., have added a Porcelain Lined

Milk Delivery Can, to their already large line of Golden Crown ware. It is made of cast iron, and is porcelain lined. The iron covers are supplied with either a glass or porcelain lining. This can is designed to replace tin cans and glass jars, over which it is said to have advantages, namely: that "tins rust and glass jars break, and both have small necks, which condense foul odors in cleaning." It may also be placed on the stove, and the milk sterilized. It is made in one and two quart sizes.

The Crystal Street Lamp.

R. E. Dietz Co., No. 60 Laight Street, New York, have improved their Street Lamps, shown in the accompanying



FIG. 2.

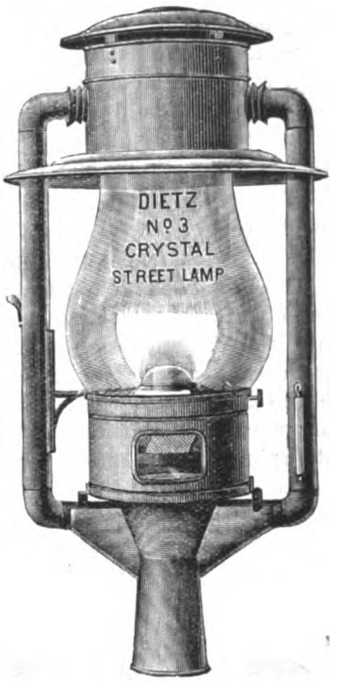
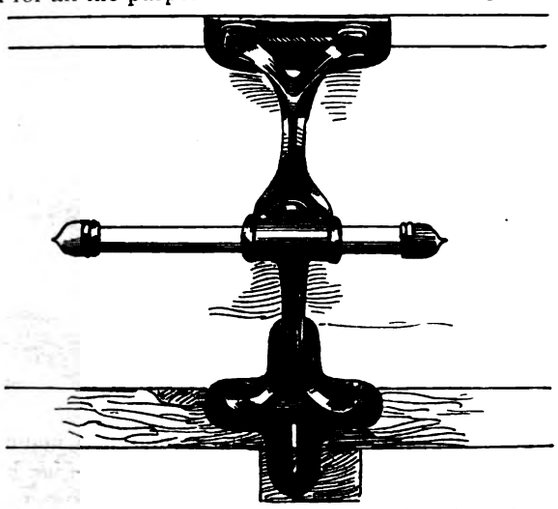


FIG. 1.

illustrations. The principal change is the substitution of a glass fount for the tin founts formerly used. In case of fracture they can be readily replaced. A section is cut out of the metal casing in front, Fig. 2, so that the quantity of oil in the fount can be always seen at a glance. Oil is poured in through an opening in the top fitted with a hinged cap. The receptacle will hold oil sufficient to burn twenty hours and a notched lift is provided by which the wick can be adjusted so as to burn any multiple of four hours. On the burner, shown in Fig. 2, is a rough metallic surface, on which a match fastened in a tin holder provided for this purpose (seen on the right hand tube of Fig. 1) can be scratched in windy weather, the match flame being protected by the large glass globe.

The Boston Portable Bench Vise.

The Boston Portable Vise Co., Boston, Mass., are marketing a Portable Bench Vise which is described as a great convenience for those who have work to do away from the shop. "It can be applied to any table or surface, and used for all the purposes of a bench vise, holding wood or



metal in the most convenient method and position for working. It can be quickly attached to any box, table or surface, and as quickly detached. It can be readily carried in an ordinary tool-box, and weighs, complete only six pounds."

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The O. P. P. Sash Weight.

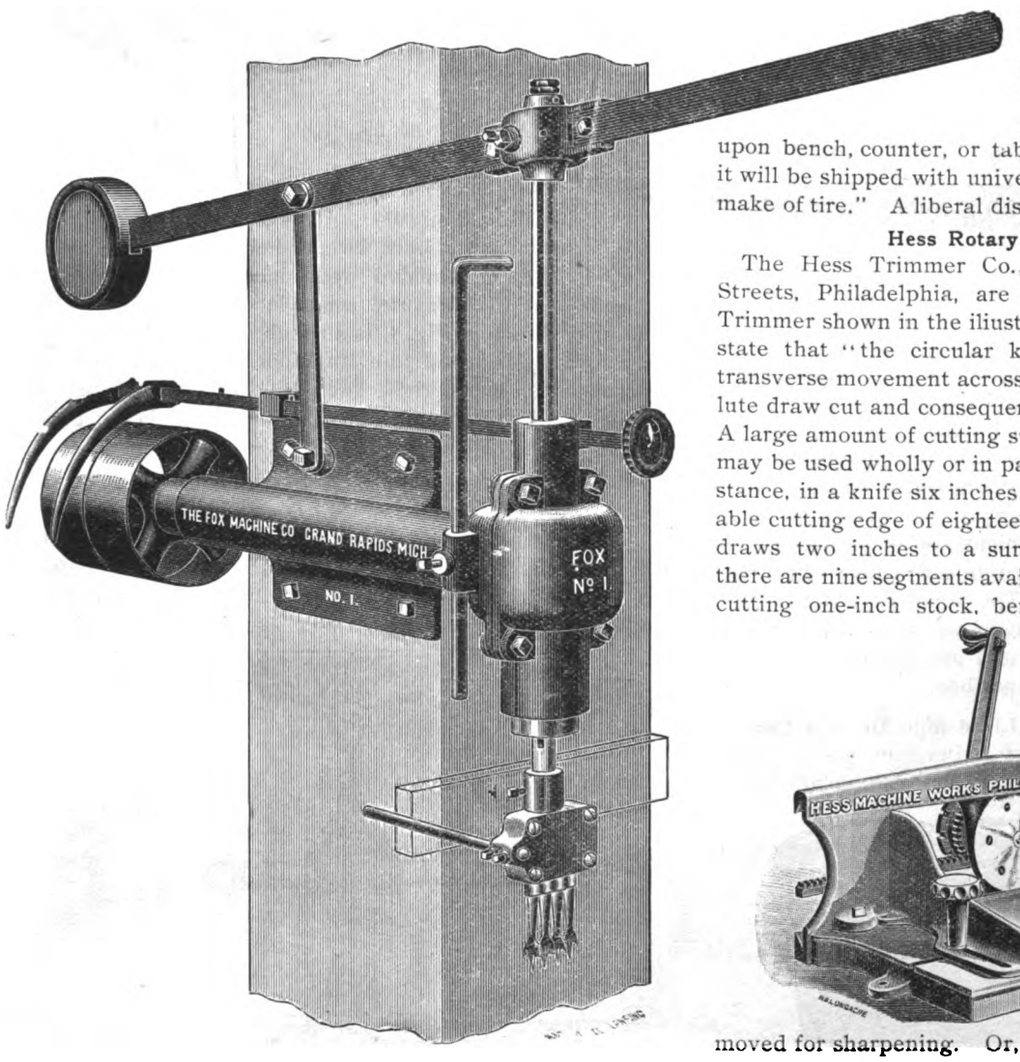
Ewald Over, Indianapolis, Ind., is putting on the market a Sash Weight that is cast perpendicularly instead of in the old horizontal manner. The maker states "that the patterns are drawn out of the sand endwise, thus producing a



smooth and perfect casting, and, as they are centre hung, they hang true. The weight is marked on the lower end, in place of on the side. It is further stated, that a molder can, with less labor, make fifty per cent. more weights a day than by the old process, and the perpendicular casting requires but one-half the floor room needed in the horizontal method. From one to two per cent. will cover the misrun weights and a variety of sizes can be made in the same flask."

No. 1 Post Boring Machine.

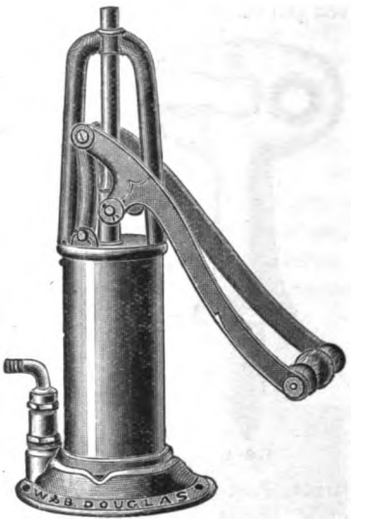
The Fox Machine Co., Grand Rapids, Mich., are offering the Post Boring Machine, shown in the accompanying illustration. The makers state that this machine has been "introduced as a very inexpensive tool for use in inserting sash pulleys. The quadruple bit, which is shown with the boring machine, can be taken out and a single bit inserted in the spindle, which makes it practical for all shop use. It is



an all-around machine, put up in a first-class manner." The point is made that with the quadruple bit four holes can be bored in the same time that it takes to bore one with a single bit. These machines are made in two styles, No. 1, which runs with mitre gear, and No. 2, with quarter turn belt.

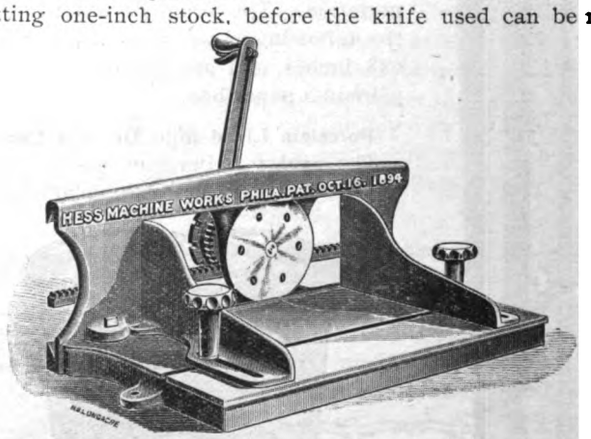
The Douglas Utility Sulky Pump.

The W. & B. Douglas Corporation, Middletown, Conn., are putting on the market the Pump, illustration of which is here shown. The makers state that "this pump is capable of standing a pressure of over one hundred pounds to the square inch. It is a most compact article, being about one foot high, and six inches in diameter at the base. The cylinder is of lacquered bronze, and base, brake, etc., are of iron. Forcing about thirty-five cubic inches of air at each stroke, it is recommended as a convenient pump for pneumatic tire work on either sulkies or bicycles. As a sulky pump it has no equal. It is the ideal repair shop pump, and is especially designed to be placed upon bench, counter, or table. Unless otherwise ordered, it will be shipped with universal connection fitting any 1895 make of tire." A liberal discount will be given to the trade.



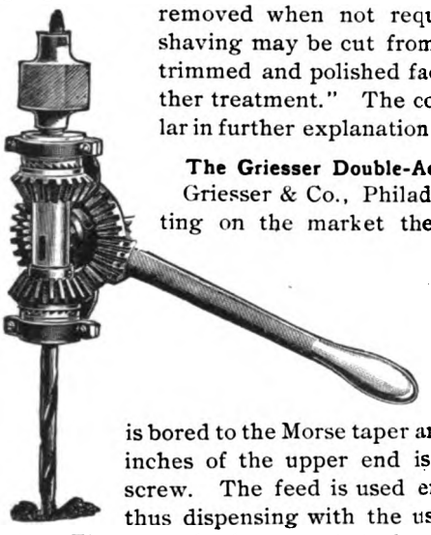
Hess Rotary Wood Trimmer.

The Hess Trimmer Co., Twenty-fifth and Callowhill Streets, Philadelphia, are introducing the Rotary Wood Trimmer shown in the iliustration here given. The makers state that "the circular knife has a rotary as well as a transverse movement across the bed which insures an absolute draw cut and consequently smooth and perfect work. A large amount of cutting surface, too, is presented which may be used wholly or in part, as may be desired. For instance, in a knife six inches in diameter there is an available cutting edge of eighteen inches; in cutting, the knife draws two inches to a surface cut of one inch, therefore there are nine segments available for use when continuously cutting one-inch stock, before the knife used can be removed for sharpening. Or, on general work the whole of the cutting edge may be used indiscriminately. The cutting edge being thus completely used the life of the edge is prolonged and long periods elapse before sharpening is required, a saving feature in a busy shop. The draw-cut also tends to preserve the edge. The knife travels completely across the bed and allows of stock the full width of the bed being trimmed with ease. This is an unusual feature and extends the machine's usefulness considerably.



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The machine is adapted to cutting material from a hundredth part of an inch thick to a thickness equal to the diameter of the knife, and of a width equal to the width of the bed. It is also adapted to cutting leather. Another important feature is the fact that while a cut is being made the knife holds the material as in a vise, thus dispensing with the use of the gauges, except on very thick stock. In other machines the gauges are necessary as supports to the push action of the knife. The machine is simple in construction and most easy to operate, the revolution of the handle being governed by the width of the material to be cut. It cuts at any angle from zero to 105 degrees and has the general angles inscribed on its bed. The gauges are easily and quickly set and fastened, and readily removed when not required. The lightest shaving may be cut from material, leaving a trimmed and polished face requiring no further treatment." The company issue a circular in further explanation of the machine.



The Griesser Double-Acting Ratchet Drill.

Griesser & Co., Philadelphia, Pa., are putting on the market the drill shown in the accompanying illustration. "The handle is adjustable from 14 to 20 inches and is of malleable iron. The spindle is bored to the Morse taper and is of steel. Three inches of the upper end is utilized as the feed screw. The feed is used entirely by the hand, thus dispensing with the use of pins, wrenches, etc. The gear wheels are cast steel and the ratchet collars and pawls are of the best quality steel, four pawls engaging with both the upper and lower ratchet collars. The action of the drill is continuous, receiving the motion from both the forward and return stroke of the handle, completing a revolution with the two strokes." The price of this machine is $20, net.

A New Pipe Wrench.

Plumbers, steam-fitters, and others who have occasion to use a Pipe Wrench, will welcome the new tool of this kind put upon the market by Samuel Hall's Son, No. 229 West Tenth Street, New York City, which we illustrate in the accompanying engravings. While these are self-explanatory to a large extent, it may be said in addition that the Hall Pipe Wrench is constructed throughout of crucible steel, drop-forged, and is as durable as it is simple in construction and attractive in appearance. "Unlike other wrenches now on the market, the jaws are smooth, instead of being corrugated; because of this it will not mar a nut or highly polished fitting. The wrench is quickly adjusted to different sizes of pipe, and grips quickly and firmly all kinds—galvanized as well as other pipe, and will not crush it. It releases instantly and cannot lock on the pipe. A good point about the Hall Pipe Wrench, and one that is destined to make it extremely popular, is the facility with which it may be sharpened upon any grindstone or emery wheel without being taken apart. Fig. 2 shows how this is done. We know of no other pipe wrench which may be treated in this way. Again there are no springs to break or get out of order. All parts of the tool are made to standard gauge and are interchangeable. It is made in several sizes from 6 to 48 inches in length, open, taking pipe from ⅛-inch to six inches. The 36 and 48-inch wrenches are made extra long for large nut and bolt, as well as pipe work. Fig. 1 shows the wrench as used. Its application is very simple and accurate. If the gripping point of the wrench be placed to the size of the pipe as marked on the side of the hook, little if any further adjustment is required. As a screw wrench the great strength of this tool is of special advantage. Beside being made of the best of material, both the top and lower jaws are hardened. As seen in Fig. 3 they are on an angle and grip a nut or bolt so that it is impossible for them to slip."

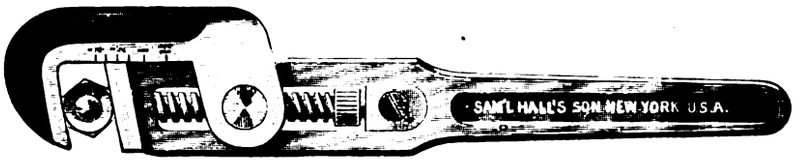


FIG. 3.—AS A SCREW WRENCH.

A finely illustrated bronchure, containing detailed description, price list, etc., of this new tool, is issued by the manufacturer, and may be obtained upon application.

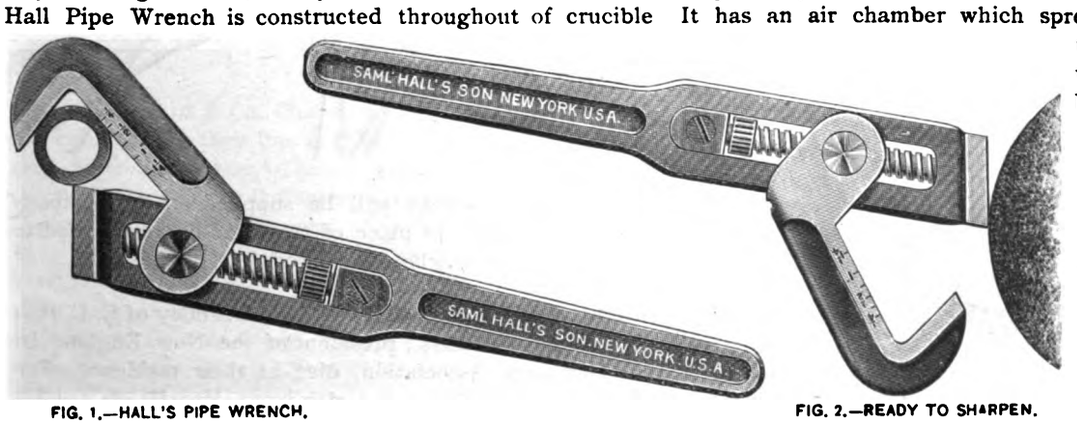


FIG. 1.—HALL'S PIPE WRENCH.

FIG. 2.—READY TO SHARPEN.

The Champion Roaster or Oven.

The Leach Roaster & Baker Co., Paxton, Ill,, are offering the Oven shown in the accompanying illustrations. It is compact in form, and the shape makes it convenient to be used with great advantage on oil, gasoline, gas or coal stoves. It requires but a moderate heat, and is claimed to be perfectly automatic in its functions, requiring no basting. It has an air chamber which spreads the heat equally throughout. This oven will no doubt prove a boon to campers.

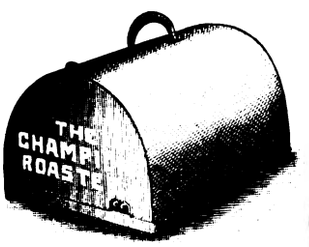


FIG. 1.



FIG. 2.—SHOWS OVEN IN USE.

The Travers Bros. Co., No. 107 Duane Street, New York, announce that they have brought suit against the Gem Hammock & Fly Net Co., of Milwaukee, Wis., for alleged infringement of certain of their patents. This is an outshoot of their recent suit against the American Cordage Co., the result of which gave the Travers Bros. Co. the exclusive right to certain important patents involved.

"Buy what you need and nothing else, and in quantities to suit. Keep what people want when they want it. Prompt payments is the best evidence that a man is good. Short accounts make long friends."

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Wolff-American Cycle Features.

R. H. Wolff & Co., foot of East 118th Street, New York, have entered the bicycle field this season with a line of high grade Wolff-American cycles, embodying among others the features of construction shown in the accompanying illustrations. The hubs, one of which is illustrated in Fig. 1, are made of cold drawn steel tubing, nickeled, and are referred to as being handsome as well as light and strong. The hub is fitted with a hollow shaft containing a wick, which, when charged with good lubricating oil, feeds the oil in moderate though sufficient quantities through the small holes directly on to the balls. The point is made that oil is usually put on the bearings in too large a quantity when supplied direct from an oiler, an error which this device is designed to prevent. The manufacturers state that with the wick saturated with oil the machine can be ridden more than 1500 miles without further oiling. The oiling is accomplished by unscrewing the little block nut on the right hand end of the axle and charging the hollow shaft slowly with good oil, until the wick is thoroughly saturated. An entirely new device for the insertion of spokes is also provided. The cold drawn steel tubing hub is provided with button-hole openings so that two spokes may be inserted through the larger portion of each opening and when fastened to the rim as in the positions shown in Fig. 2. The object of the button-hole shaped openings in the hub is to facilitate the easy and simple replacing of spokes. This can be done, the manufacturers claim, without taking the wheel from the machine and without even deflating the tire. The eccentric adjustment is shown in Fig. 3, by which, it is claimed, perfect alignment is insured. It is explained that the adjustment is simple, and that by means of the eccentrics adjustment is controlled entirely on one side by the turning of a nut, and that it is impossible to throw the wheel out of alignment while adjusting. It is further explained that the rear wheel is held perfectly in the center of the back braces, its only movement being forward or back as is required to take up or loosen the chain. The crank bracket is provided with a hollow shaft and wick so that the oil, by means of the wick, will lubricate both bearings in the same manner as in the hubs, already described. The pedal cranks have irregular openings, which fit on correspondingly shaped ends of the shaft, the cranks being also provided with lock nuts. The foot-brake, Fig. 3, is referred to as simple in construction, easily attached to any fork side, effective in controlling the speed of a wheel, neat in appearance and light in weight. The foot-piece, which extends beyond the side of the wheel, affords the necessary amount of leverage for applying the brake. The foot-brake will be supplied on the company's cycles in place of the hand-brake on roadsters and full roadsters when so desired.

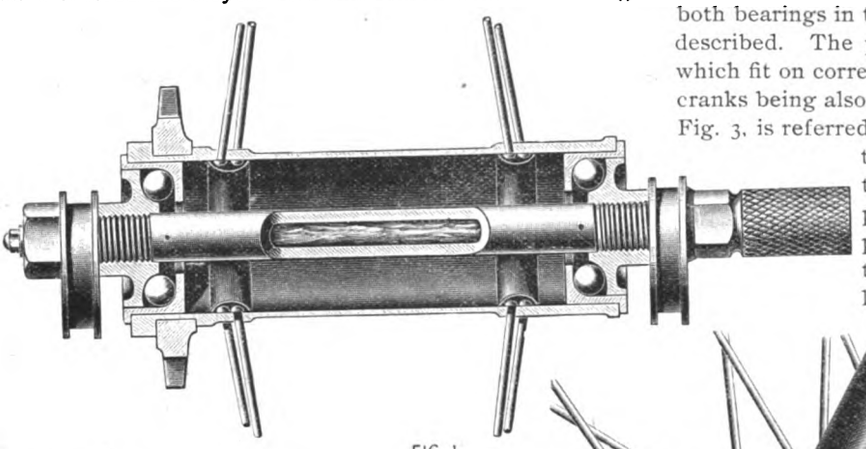


FIG. 1.

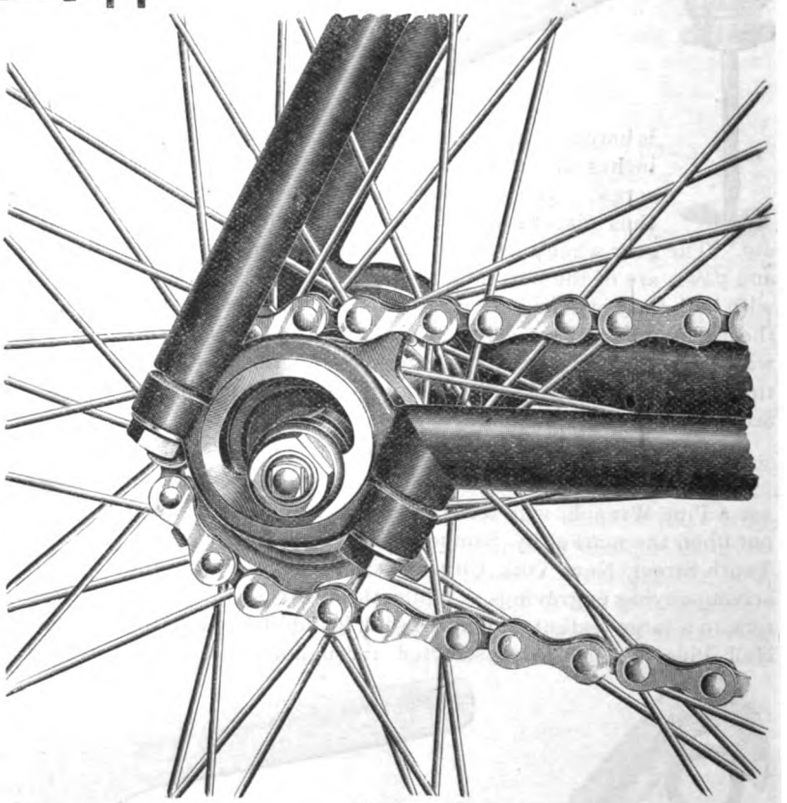


FIG. 2.

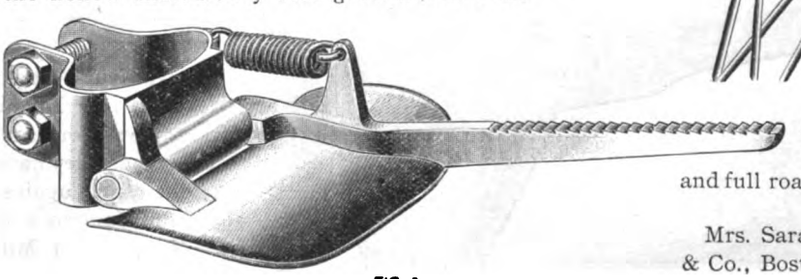


FIG. 3.

Mrs. Sarah Haley, wife of Edwin L. Haley of E. L. Haley & Co., Boston, Mass., president of the New England Iron & Hardware Association, died at their residence, North Wilmington, Mass. on the 16th inst. Mrs. Haley had been confined to the house for the past four or five years. She was always pleasant and congenial and leaves a host of friends, and above all, was a devoted wife and mother. She was forty-five years of age. The sympathy of many friends will go out to Mr. Haley, in this his great loss.

The Parker Gun Co., formerly at No. 97 Chambers Street, have recently removed across the street to No. 96. The new premises are tastefully arranged and there is a cozy office in the rear.

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RECENT TRADE PUBLICATIONS.

The Hanson & Van Winkle Co., with main offices and factory at Newark, N. J., and branches in New York, Chicago and Birmingham, England, have issued a large and complete catalogue of their Electro-Plating outfits, Chemicals, Polishers' Supplies, Machinery, etc. It contains near 150 pages, and is bound in an attractive cover of black and gold. Views of their works are given, and an immense amount of information upon all the above subjects is added. In a brief reference to their business at present, they say: "We can point with pride to the long number of years in which we have been supplying the trade. We can always refer our correspondents to the leading manufacturers in any line in which they may be interested, as reference for the satisfactory manner in which their orders intrusted to us have been executed. Being the very first to undertake this branch of business in this country, and introduce the first Dynamo-Electric Machines and the popular use of nickel-plating, etc., we feel like taking to ourselves a little of the credit for the vast strides that have been made in this country within the last twenty years in the manufacture of metal goods, in which we now so far excel in quality and price all European manufacturers. In order to maintain our trade, we are constantly looking out for all improvements and processes relating to this business. We particularly call attention in this catalogue to improvements and great reduction in price of Dynamo-Electric Machines, and Nickel-Plating Outfits; to the new Lacquers introduced by us, and used by all the largest manufacturers of metal goods; to the various new Polishing Materials, Tripoli, etc., introduced by us; to recent improvements in the manufacture and reduction in price of Fine Rouges, Cyanide of Potash, XXX Lye, and the various chemicals used by the trade; and to the new Wheels, Prepared Buffs, Black Nickel Solution and Anodes, 14-karat Gold-Plating Outfits, etc., etc. Each department of our organization has been carefully systematized and brought to the highest point of excellence; we have spared neither pains nor expense in the way of increasing such features as would add to the advantage we could offer to our customers, and are constantly looking for all improvements and processes that will benefit them, and we hope that our efforts in this direction will be the means of still further raising the standard of our goods, thus enabling us to make the broad claim, without fear of contradiction, that our goods are of the highest grade obtainable."

Rouse, Hazard & Co., Peoria, Ill., have issued an attractive catalogue of their line of Wheels and Bicycle Accessories. Special attention, of course, is paid to their Sylph and Overland Cycles, the character of which has been referred to already in these pages, and some descriptions of which have been given. The company certainly have made a great success with these leaders, and the catalogue furnishes plenty of reason why the wheels have so well taken with the trade. This catalogue will be sent upon application, and also a sheet which offers extraordinary reductions in prices of their 1893 and 1894 patterns. This special bargain list should be in the hands of every dealer interested in wheels. In a note of introduction the company say: "For this, our sixteenth year, our line has been made complete, and now comprises the only really complete line offered by any one maker in this country. Every machine in the line is the best in its respective grade and weight and is offered by us with full confidence and backed by our warrant, which our tens of thousands of customers have found to be worth one hundred cents on the dollar. In the future, as in the thirty years since our business was established, it will be our constant endeavor to treat our customers with fairness and courtesy, and especially in the matter of our warrant we shall aim to treat every customer not only with justice but with liberality. Our long experience in the business and our acquaintance with the requirements of the trade enable us to offer a line which we are certain better meets the varying conditions of roads, etc., and the requirements of riders in various portions of the country than any other concern. As is well known, America leads the world in cycle construction, and our English cousins who established the industry and formerly set the pace, not only in cycle construction but on track and path, are completely distanced. We are confident that no American bicycles excel and few equal the bicycles described in the following pages. For 1895 we have greatly increased our facilities in every way. We have established our factory here at Peoria, have put in new machinery and shall hereafter be in position to take care of our trade as never before."

Partrick & Carter Co., No. 125 South Second Street, Philadelphia, have issued a handsome catalogue of their House Goods and General Electrical Supplies for 1895. It contains 130 pages, every one of which is filled with illustrations and descriptions of their immense line of goods combined under the headings named. It will be impossible to enumerate the large variety of these goods, but it may be taken for granted that everything possible in the line of electrical supplies applied to building purposes can be found therein. Special attention is paid to their Annunciators, which they say "are now so extensively used and so well known all over the United States, Canada and other countries." The catalogue is in itself a liberal education in this line of labor, and any Hardwareman who wishes to keep up with the times, and know all that is being done in this great line of manufacture, will do well to possess himself of a copy. In a special note the company say: "All parties desiring electrical, scientific, or experimental work done will find it to their advantage to give us a trial. We guarantee in all cases the lowest prices and best workmanship. Material for experimenting in electricity always on hand. Any instrument or apparatus desired can be made from drawings or written description."

The W. Bingham Co., Cleveland, Ohio, have issued a neat little catalogue of their line of Hardware for building purposes, in which separate chapters are devoted to house trimmings, parlor door hangers, bath-room trimmings, cabinet Hardware. sash balances, screen wire cloth, screen door fittings, electric bell outfits, dumb-waiters and elevators, floor and wall registers, etc., etc. It is a neatly and artistically arranged catalogue. In a note of introduction the company say: "This little book is intended merely to give the reader an idea of the extent of our stock, and our ability to satisfy the wants of owners and constructors of buildings. To make even a brief mention of all the articles we carry under the different headings would require a good sized book, over 500 pages of our general catalogue being devoted to goods used by the building trades. Our goods are handled by the reputable Hardware merchants of this city, and any orders given them for our wares will be carefully executed."

The Lewis Mfg. Co., Utica, N. Y., are sending the trade a leaflet which describes and illustrates their Wire Supports for tomato vines, plants, bushes, flowers and shrubs. It is a line of goods that ought to interest every dealer in localities where anything in these lines is grown.

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The Putnam Nails.

A BIRD'S EYE VIEW OF WHERE THEY ARE MADE.—A WALK AND A TALK ABOUT THEIR VAST WORKS.

Editor Hardware: For many years the name "Putnam Nail" has been a familiar household word in the homes throughout America. So, after a pleasant hour spent in the works of the Putnam Nail Factory, at Neponset, Boston, Mass., it occurred to me that it would be a benefit to the Hardware trade, who have not been able to avail themselves of the opportunity to study the evolution of a Hot Forged Nail from the rod to the shipping room, to give my impressions of the amount of labor and care necessary to produce a first-class Horse Nail.

As I neared the works, it would have been unnecessary for any one to have informed me of that fact, for the clash of the hammers could be heard for a long distance. Entering the office, I confided myself to the tender mercies of the treasurer, W. W. Whitmarsh, who piloted me through the works.

I found that the extent of the works was such as to require the services of a tinsmith and carpenter the year round. These were domiciled in a neat two-story building, which stood by itself, and contained a considerable amount of machinery pertaining to their trades. Leaving this building, I entered the blacksmith shop. A dozen fires blazed merrily and twenty-five men banged away at the sparkling metal. Now and then, two or three of them stepped up to one of the two large steam hammers, and smote mighty strokes on the heavy steel bars, from which they were forging hammers for the nail machines.

Leaving this busy place, the gas-house where 800,000 cubic feet of gas are manufactured daily, was the point of investigation. This gas is used to heat the rods from which the nails are forged, coal being tabooed on account of sulphur sometimes contained therein.

Then came the acme of interest, the nail mills, of which there are two, each over two hundred feet in length, and containing in all a hundred machines. The clatter of the hammers as one opens the door, is deafening. Through the smoke, the nailers can be dimly discerned, as each stands by his machine and regulates the heat, for by the degree of heat and the strength of the spring alone is the length of the nail determined.

The rod passes through the blazing furnace, and is hurried between the four hammers (which strike in pairs) at a welding heat. Sixty blows rain upon it; it is severed from the rod and drops into the pan a finished nail; drawn to the point from half an inch of iron by hammers only. The best Swedish iron alone is used, and that of the highest quality.

I said to the treasurer, "No shearing needed there," but it might as well been thought, for no voice could penetrate the din.

After contenting myself with a thorough examination, I passed to the scaling room, where I found the nails were polished by friction in large iron barrels filled with water. No acids were used, for fear of impairing the strength of the nails.

As I examined the nails as they came from the barrels, I could see they were the same as I saw at the machine, except that the scales had been removed, and that they needed but the blows upon the point to form the bevel and strengthen the nail, to be ready for driving.

The hammer job room was next visited. Here we were surprised to find an entire department devoted to finishing and renewing the hammers.

The Pointing Room was our next destination. Here was a racket hardly less deafening than in the nail room. Eighty girls were seated at the machines, feeding the nails in one at a time, while the machine steadily hammered away upon each until it dropped into the box below. An examination showed the nail to be finished and ready for driving, and as I could readily vouch, exclusively Hot Forged and Hammer Pointed.

Then to the assorting room. Here another bright set of girls were seated, rapidly passing the nails from the bench into a box, each coming in for a careful scrutiny, and those uneven in size being thrown to one side.

I was struck with the care shown to prevent any uneven nails (of which many must be made by the hot forged process) from being put up as Putnam Nails, the aim being to put out goods in uniformity as well as in all other points superior to all others.

After another careful inspection, the nails are put up in five-pound pasteboard boxes, and five of these in a wooden box, ready for shipment to all parts of the civilized world.

From here, the machine and repair shop was our destination. A large part of the expense of making a genuine Hot Forged and Hammer Pointed Nail is caused by the hammers. We say genuine, for a Hot Forged blank to be afterward cold rolled and sheared could be easily made, but to draw the nail down to a point while under a welding heat, requires a nicety of adjustment that necessitates a frequent renewal of the hammers. A large force of men are employed in renovating the hammers, of which 800 per day are required and which have to be changed twice each day.

A round of the storehouses, where the immense stock of iron is carried, completed the survey, and I returned to the office to pull myself together, my sense of proprieties being shocked at the thought that it took so many people to make a simple Horse Nail.

Some idea of the extent of the plant can be obtained from the fact that a double Corliss engine of 600 horse power, fed by a battery of eight large boilers, furnishes the power, while in addition a McIntosh-Seymour compound engine of 125 horse power drives a dynamo for lighting purposes and a large blower for the blast used in the forges.

To sum up, I found that the grounds were of the area of ten acres, while the buildings covered four acres. They are surrounded on three sides by water, and in the distance Boston and Dorchester Heights, where General Washington planted his batteries to drive the British from the city.

The number of employees exceeds 400 and the capacity of the works is over ten tons per day.

When we consider the immense increased cost over cold rolled and sheared nails occasioned by the amount of gas used to heat the rods, and the large force of men and expensive machinery required to produce nails by the Hot Forging process, is it not to be wondered at that, notwithstanding this, the nominal increased cost in shoeing a horse by this safe and reliable nail, does not exceed one cent per shoeing. We say nominal cost, for in fact it is by all odds the most economical nail for many reasons.

Putnam Nails, by their "elasticity" give slightly to the expansion and contraction of the hoof while the horse is in motion; by their smoothness, do not enlarge the nail holes in the hoof, while their "supreme excellence" in "holding power in the clinch" enables them to hold the shoe in the hardest service until worn out.

By the use of small nails large holes are avoided and money seved to the smith.

To those who may say that I am suffering from excess of enthusiasm, I will say that enthusiasm is infectious and that contact with those who are thoroughly imbued with the idea that the best is none too good and that they will make none other, cannot fail to have its effect. So I say, do not visit Boston without calling on Mr. Whitmarsh, treasurer of the Putnam Nail Co.

D. Walden.

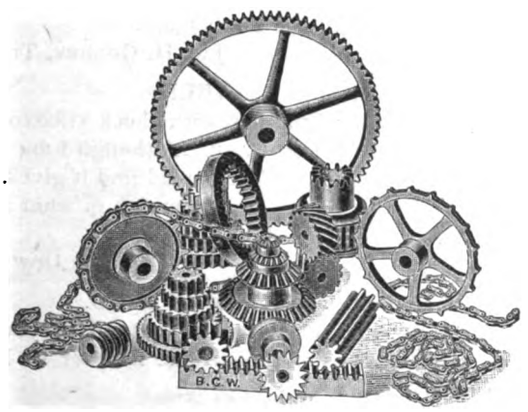
Boston, April, 1895.

In this connection, an examination of the red insert, pages 53 and 54 of this issue, will be of interest.

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Some Experimental Gears.

The Boston Gear Works, No. 42 Hartford Street, Boston, Mass., manufacturers of gear wheels, and cutting of every description, are placing upon the market with gratifying success their Experimental Gears shown in this connection. In mention of these in their handsome new catalogue, the makers say: "For the benefit of students, experimenters, designers of machinery, draughtsmen, model makers, manufacturers, Hardware firms, etc., we furnish a lot of gearing of our selection at a much lower price than we otherwise would furnish. They will be a great aid in obtaining information that cannot be obtained from books. By placing these gears in mesh with studs in the centre holes, and fastening them to a board, the exact movement can be much more readily seen than by any other method. They are invaluable to teachers of mechanical drawing. A few evenings with a proper train of gears will teach more of this difficult but important science, so little understood, that can be learned in any other way in much more time. By use of same, foremen or superintendents of machine shops can get considerable knowledge of this branch of mechanics, which is, practically, applied mathematics. Combination No. 1: This will consist of about twenty pieces, one ratchet and pawl, pinion wire, miters, racks, internal, escape wheel, chain wheel, and spur gears of several sizes. Price, $2.50, postpaid. Combination No. 2: Same as No. 1, with studs, shafts, brass plates, and set screws. Price, $4, postpaid.



Combination No. 3: Same as No. 2, with a few more gears, including one set of elliptic gears. Price, $6, not postpaid. Same partly mounted, $4 extra. Combination No. 4: Same as No. 3, but including a still larger assortment, with one set of spiral gears and one gear gauge. Price, $8, not postpaid. Some partly mounted, $7 extra. Combination No. 5: This is a machine with many of the sizes mounted so as to give a very good idea of the movement of most gears. Price, $25. This is the best offer for the money, and we consider it a complete outfit. Combination No. 6: This is our exhibition machine, designed to illustrate every movement that we make, and that is in ordinary use. All parts that are mounted are connected so as to be run either by electric or hand power. This is the best machine that we make, and contains the greatest number of movements. Price, ordinary finish, boxed ready for shipment, $55. Extra finish, $65. Glass case for same, $10 extra. Photographs of No. 6 furnished for 25 cents. Sample Gears: For the benefit of experimenters, manufacturers and Hardware firms, we will send 25 samples of different gears of our selection fastened neatly to cardboard for $2, postpaid." They also furnish, postpaid, for $1, a "Treatise on Gears," by G. B. Grant, which is a text-book for students and for practical use in machine shops; 170 illustrations. This treatise contains a bevel gear chart, odontograph, with methods to draft teeth with an ordinary compass and a great deal of information pertaining to all kinds of gears, such as spur, miter, bevel, rack, worm, spiral, internal, irregular, elliptic, etc., etc.

Wire Signs.

The enterprising business man of to-day is constantly seeking some new advertisement by which he may be distinquished from his brother in the trade, become known and attract the public to his place of business. The wire sign as it is now being made, is acknowledged to be one of the cheapest, most durable and best means of advertising, and particularly appropriate for the Hardware store. The



idea is unique and "the store with the wire sign" as it is spoken of, stands out in prominence from its surroundings. The sign when placed on top of a building, gives it the appearance of having an additional story, and affords a finish to the roof that cannot be obtained in any other way. It can be distinctly read from a long distance as it stands out in bold relief.

These signs may also be made in smaller sizes, to suspend in front of a store, and the letters, being placed on the open wire-work surface, can be distinctly read from both sides. The open net-work is made of galvanized wire, which is not affected by fire, wind or weather, and the metal letters are securely attached to it. To produce the most striking effect, the letters are painted black and not infrequently gilded with gold, but the painted letters are seen at a longer distance. Wire signs from the smallest to 300 feet in length have been made for many of the stores, banks and factories throughout the country by the old established house of E. T. Barnum, Detroit, Mich., who make a specialty of this work, and also manufacture a complete line of wire and iron work for both interior and exterior use. A large, profusely illustrated catalogue will be mailed, free, upon application.

Expansion Awning Hinge.

An article warranted to "overcome the old faulty way of hanging awning frames" has been placed on the market by the Steward & Romaine Mfg. Co., Philadelphia, Pa., owners and manufacturers of single and double expansion bolts, lock nutted. As per the cut shown, it will be seen that all that is necessary to apply, is the cutting of a hole in the brick or stone work, of the depth and diameter of the expansion parts. The Hinge is then inserted and turned



like an ordinary bolt, thus causing the expansion parts to expand in the hold, and making a very solid fastening. This overcomes the old insecure way of plugging holes and fastening the hinge up with wood screws. At the end of the season the hanging awning frame is removed, leaving the expansion hinge remaining in the wall, until required the next season. Catalogue of expansion bolts furnished on application.

The Parker Gun, manufactured by Parker Bros., No. 96 Chambers Street and Meriden, Conn., was, we are informed, "the victor over all competing guns," at the Grand American Handicap, some days since, at Willard's Park, New Jersey. The natural result is that the manufacturers of the "Parker" speak of it as: "Winner of Grand American Handicap of 1895."

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CONGRATULATION: ENDORSMENT: GOODWILL.

In our Fifth Anniversary Edition of April 10th appeared a great many letters of endorsement, congratulation and good will, from our friends in various parts of the country. Others which came in a little late were, for lack of space and time, crowded over, and we take pleasure in presenting them in full herewith. With them may be found a number which have been kindly penned since the appearance of that number, and some gratifying newspaper comments, for all of which HARDWARE extends its most grateful thanks.

THE WIRE GOODS COMPANY.

HARDWARE: I cannot lay down your issue of the 10th inst. without remarking that it is a triumph in Trade Journalism. It has given me much the same pleasure that the first signs of returning spring awaken. The number is certainly a remarkable one, and you will get all the credit you deserve.

I would like to specially refer to your article on "The Demoralizing Bargain Counter." The tendency in the trade in the direction of cheap goods is debauching all character, enterprise, and mechanical ability, and it has already progressed to a disastrous extent. The idea of cheapness in goods has already grown to an extent which destroys honesty and self-respect in the manufacturers, prevents the development of mechanics with mechanical ability and artistic taste, and recognizes in the modern merchant only the qualities of low cunning which used to make the successful peddler. In old times the merchant who put sand in his sugar was a cheat; to-day he is a scientific chemist and a great captain of industry. Your article is good enough to keep in print the year around.

However, what I set out to do was to assure you that your issue of April 10th is so exceedingly good that it is a genuine pleasure to everybody who sees a copy of it.

Yours truly,

THE WIRE GOODS COMPANY,

Worcester, Mass., April 12, 1895. A. W. Parmelee, Treas.

KRAEUTER & CO.

EDITOR HARDWARE: We take the pleasure to acknowledge the receipt of a copy of your Fifth Anniversary edition and hope HARDWARE will write for the interest of the trade forever. Respectfully yours,

Newark, N. J., April 12, 1895. KRAEUTER & CO.

F. E. MYERS & BRO.

HARDWARE PUB. CO.: Fifth Anniversary copy of HARDWARE just received, on which we wish to congratulate you. This is certainly one of the finest editions of the kind that has ever reached our office. We are truly very thankful to have illustrations of the Myers Spray Pumps appear in same, which we have noted and for which we thank you most heartily. Yours respectfully,

Ashland, Ohio, April 13, 1895. F. E. MYERS & BRO.

WM. P. WALTER'S SONS.

HARDWARE: Please accept our congratulations for your Fifth Anniversary and the splendid appearance of the last issue. We have only one fault to find with your paper, which is, *it does not come often enough.*

Yours truly,

Philadelphia, April 12, 1895. WM. P. WALTERS' SONS.

THE NUBIAN IRON ENAMEL CO.

EDITOR HARDWARE: As to what we think of HARDWARE, I have but to repeat what I wrote you some two or three years ago, and that is that HARDWARE is one of the few journals that come to my desk that is always read through, and having been rather extensive advertisers, I guess our name is on the list of nearly every publication. Its typographical arrangement is excellent and the subject matter is always of the most interesting.

I certainly wish you all possible success, and can ask nothing better than that the same high standard be maintained. Very truly yours,

Cragin, Ill., April 1, 1895. CHAS. E. BONNELL, Manager.

IOWA FARMING TOOL CO.

HARDWARE: Your edition of April 10th is duly received, and is certainly something to be proud of.

Very truly yours,

THE IOWA FARMING TOOL CO.

Fort Madison, Iowa, April 13, 1895.

M. C. WARREN & CO.

HARDWARE PUBLISHING CO.: Copy of HARDWARE of the 10th received, and we would say that you have outdone yourselves completely (which is saying considerable) in this edition. M. C. WARREN & CO.

Boston, April 15th, 1895.

HARDWARE BOARD OF TRADE.

HARDWARE PUBLISHING CO.: Permit us to thank you for the fine issue received of Fifth Anniversary of your publication. It is fine, clean and "up-to-date," you know.

Yours truly.

New York, April 16, 1895. JAS. H. GOLDEY, Treas.

R. J. McDOWELL.

HARDWARE PUB. CO.: Find herewith check $1.00 to cover a year's subscription to HARDWARE. Although I am handling but a small quantity of Hardware, I find it gives satisfaction to get a live reminder twice a month of what is new under the sun. Truly yours,

Hartford, Ohio, April 13, 1895. R. J. MCDOWELL.

RHODES, DICKELMAN & CO.

EDITOR HARDWARE: Permit us to extend to you our heartiest congratulations on the artistic number of HARDWARE just received.

Wishing it and you many more pleasant anniversaries, we are thanking you for your kindness in remembering us with a copy, Very truly yours,

Forest, Ohio, April 12, 1895. RHODES, DICKELMAN & CO.

THE SAMUEL WINSLOW SKATE MFG. CO.

HARDWARE PUBLISHING CO.: We wish to compliment you on the appearance of your paper issued April 10th, 1895. It is certainly a very handsome publication. Believe us with respect, Very truly yours,

THE SAMUEL WINSLOW SKATE MFG. CO.,

Worcester, Mass., April 12, 1895. Samuel E. Winslow.

SUPPLEE HARDWARE CO.

HARDWARE: We congratulate you upon the taste in which your excellent paper is gotten up. Sincerely trusting that your circulation may increase five fold within the next five years, believe us, Very truly yours,

Philadelphia, April 12, 1895. WILLIAM D. SUPPLEE.

T. L. MERRILL & CO.

HARDWARE: Please accept our congratulations upon your Fifth Anniversary, and please find enclosed one of Uncle Sam's promises to pay $1.00 for one more year to HARDWARE. Yours truly,

Portland, Me., April 13, 1895. T. L. MERRILL & CO.

W. J. HENDERSON.

DEAR SIR: The field of Hardware stood ready for the literary plow to enter and your quinquenuial proves it. I hope the Lord and the politic politicians will spare us all to celebrate your five-and-twentieth anniversary. Every num-

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ber pays me for itself, as it is examined from preface to finis. Hoping you abundant success (not with La Grippe) with La Grippe on business, I am,

Yours respectfully,

Glen Gardner, N. J., April 12, 1895. W. J. HENDERSON.

JOHN H. GRAHAM & CO.

EDITOR HARDWARE: Replying to your letter of the 21st of March, announcing a special issue in honor of the Fifth Anniversary of your paper, we take great pleasure in congratulating you upon the success achieved in so short a time.

From the very beginning HARDWARE seems to have met with a cordial reception, and at the present time enjoys a position of great respect in the trade, and its usefulness is demonstrated in every issue.

Wishing you a continuation of the brilliant success which has followed your journal through the past five years, we beg to remain, Yours respectfully,

New York, April 1st, 1895. JOHN H. GRAHAM & CO.

THE IRONTON WOOD MANTEL CO.

HARDWARE PUBLISHING CO.: We can say without hesitation that the advertising we have done through your journal has brought us a very satisfactory amount of business.

Very truly yours,

Ironton, Ohio, April 2, 1895. THE IRONTON WOOD MANTEL CO.

CUSHMAN & DENISON.

HARDWARE: We believe that the judicious advertising of a good article is always profitable. The presence of our advertisement in your paper proves that we consider it a good medium. Yours very truly,

New York, March 29, 1895. CUSHMAN & DENISON.

HANSON & VAN WINKLE CO.

EDITOR HARDWARE: We are pleased to say that we have always received benefit from our advertisements in HARDWARE, and, to further show our appreciation, we send a new cut for future use. Very truly yours,

THE HANSON & VAN WINKLE CO.

Newark, N. J., March 30, 1895.

THE STORM MANUFACTURING CO.

EDITOR HARDWARE: Allow us to offer our congratulations on your fifth anniversary, which you are about approaching. We have been advertising in HARDWARE since it first started, and have always believed in the paper. As an advertising medium, we think it a good one, and as a live, up-to-date journal it has no superior. Wishing you continued prosperity, we beg to remain,

Very truly yours,

Newark, N. J., March 29, 1895. THE STORM MFG. CO.

THE ULRICH MFG. CO.

HARDWARE: During the past two years we have kept a record of our advertising, and our card in HARDWARE has given us better results than any other means we have tried to reach the Hardware trade. Yours sincerely,

Rock Falls, Ill., March 30, 1895. THE ULRICH MFG. CO.

A. W. GUMP & CO.

EDITOR HARDWARE: We do not know of a paper reaching a better class of business men who are interested in bicycles, than your publication, HARDWARE. An advertisement of bicycles in your paper must surely prove exceedingly profitable to those who have goods they can dispose of to your readers. Very respectfully,

Dayton, Ohio, March 30, 1895. A. W. GUMP & CO.

DAVENPORT CUTLERY CO.

HARDWARE: Permit us to congratulate you on the fifth anniversary of HARDWARE. Each issue has been received by us with a sense of great pleasure, as it always contains news of great interest, and brings the manufacturers and dealers more in touch with each other. It has brought us very flattering returns, and we can heartily recommend it as the foremost advertising medium in the Hardware trade.

With our best wishes for your success, we are,

Sincerely yours,

THE DAVENPORT CUTLERY CO.

Paul A. Keller, Secretary and Treasurer.

Davenport, Iowa, April 1, 1895.

GILLETTE CLIPPING MACHINE CO.

EDITOR: We appreciate your endeavors in our behalf, and predict handsome returns to all who avail themselves of your columns.

New York, April 2, 1895. GILLETTE CLIPPING MACHINE CO.

COVERT'S SADDLERY WORKS.

HARDWARE PUB. CO: We beg to say that no person manufacturing a line of goods that is entirely a line of specialties, has a better reason to laud the trade journals than ourselves. Not having the means to employ salesmen to canvass the earth, we employ the next best means, the trade journals; the result is the establishing of a business that makes the name Covert a familiar name in trade throughout the World.

We congratulate HARDWARE on its fifth anniversary, and bespeak for it a prominence among trade journals, second to none. Yours very truly,

Farmer, N. Y., March 30, 1895. COVERT'S SADDLERY WORKS.

H. A. LOZIER & CO.

EDITOR HARDWARE: Congratulations are in order, and we extend to you everything that goes with sincere wishes for your continued growth and deserved success. It is a pleasure for us to express our views regarding your excellent publication and attest to its worth as an advertising medium. The excellent results received from our investments in the past commend it to our favorable consideration at all times. Sincerely yours,

Cleveland, Ohio, April 3, 1895. H. A. LOZIER & CO.

AMES SWORD CO.

EDITOR HARDWARE: We desire to offer our best wishes and congratulations on your approaching birthday—that is, of your journal—and our compliments on the energy and painstaking effort which insure its permanent success.

We have found it a valuable advertising medium, and that in these times is about as high praise as can be accorded to anything. Truly yours,

AMES SWORD CO.

Chicopee, Mass., April 3, 1895. G. Bradford, Treasurer.

GEUDER & PAESCHKE MFG. CO.

HARDWARE; On the occasion of your fifth anniversary, we desire to offer you our heartiest congratulations on the success you have attained in your chosen field. We have been patrons of your advertising columns almost since your paper was started, and we cheerfully bear testimony of its value to us in directing attention to the lines of goods manufactured by us and attracting a large line of satisfactory accounts. Wishing you every measure of prosperity and longevity, we are, Yours respectfully,

Milwaukee, Wis., April 2, 1895. GEUDER & PAESCHKE MFG. CO.

GRAND RAPIDS REFRIGERATOR CO.

HARDWARE: We are pleased to state that we consider your paper one of the very best advertising mediums for reaching the Hardware trade.

You pay so much attention to novelties in your reading matter notices that all the trade must have your paper if they would keep posted. Yours truly,

GRAND RAPIDS REFRIGERATOR CO.

Grand Rapids, Mich., April 2, 1895. By C. H. Leonard.

THE A. J. PHILLIPS CO.

EDITOR HARDWARE: We have looked at your paper from an advertising point of view, generally, and are pleased to

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say that we have been well satisfied with the results of our dealings with you.

As to the paper itself, we think you are justly entitled to be well satisfied with it, and we can scarcely imagine a publication that could be of greater use and interest to the Hardware trade.

With kindest wishes for your future prosperity, we remain, Yours very truly,

The A. J. Phillips Company.
W. B. Phillips, Secretary,
Treasurer and Manager.

Fenton, Mich., March 29, 1895.

BIDDLE HARDWARE CO.

Hardware: It gives us great pleasure to congratulate Hardware on its Fifth Anniversary, and to send our assurances that you have now found a permanent place in the trade.

We always find your paper bright, newsy and interesting and await its arrival with pleasure; what gives us more pleasure is that our experience goes to show that your quotations are made in great spirit of fairness, and observing this rule, you are certainly observing the welfare of the trade.

We trust you will live long and prosper and hope you will continue to grow in size and usefulness and with kindest regards for the future. Respectfully,

Philadelphia, April 23, 1895. Biddle Hardware Co.

NEW YORK TIMES.

Hardware, a semi-weekly publication in this city, which gives a great deal of useful information in attractive form for the benefit of the Hardware trade, has just completed ts fifth year, and has marked the occasion by issuing a special number, much enlarged. Its first number contained but 52 pages; its latest has 150.—*New York Times.*

CLEVELAND PLAIN DEALER.

Hardware, of New York, the leading publication in this country devoted exclusively to the Hardware trade, celebrated its Fifth Anniversary on April 10 by issuing an elaborate special number, consisting of 148 pages, filled with entertaining reading matter and business announcements. Few trade journals can point to a record such as Hardware has made during these five years. Besides the valuable technical information it presents to the trade, it has gained the reputation of publishing more bright things copied by the daily press than any other trade journal in existence. This is probably due to the fact that its editor, Mr. J. H. Kennedy, formerly of Cleveland, was born in Ohio.—*Cleveland Plain Dealer.*

CLEVELAND WORLD.

If ever a publication bore the earmarks of prosperity, the Fifth Anniversary number of Hardware is that publication. It is issued from New York and is one of the few periodicals devoted entirely to the Hardware trade. The first issue contained 52 pages. The anniversary number received to-pay contains 148 pages and is simply bubbling over with matter of interest to the trade.

Inside the handsome cover are to be found page upon page of solid advertising which attest the merits of the publication as a medium for announcing wares.

The president of Hardware is Mr. A. P. Mitchell, a keen New York business man. Mr. J. H. Kennedy, an old resident of Cleveland is the editor, and to his business qualities is due much of the paper's success. Mr. Robert H. Spurgeon is his associate.—*Cleveland World.*

COMMERCIAL BULLETIN.

Hardware, of New York, celebrates its Fifth Anniversary with the issuance of a splendid number of 148 pages, making it the finest Hardware trade paper issue ever seen in this country. Hardware is an up-to-date journal in every sense.—*Commercial Bulletin of the Northwest Trade, Minneapolis.*

The Bissell Carpet Sweeper Decision.

Judge Severens, on March 23rd, filed an opinion in the case of the Bissell Carpet Sweeper Co. vs. the Goshen Sweeper Co. which has been pending in the United States Circuit Court for nearly three years. The Bissell Co. alleged infringement of their patent covering what is known as "broom action," being the spring construction which allows the case and brush to be brought down nearer the floor by pressure on the handle. Several years ago the Bissell Co. brought a similar suit at Detroit, which was heard by Judge Brown, now of the Supreme Court, and he sustained the Bissell Co.'s patent against three different forms of infringing sweepers. Judge Severens now follows these decisions, and upon the final hearing upon the pleadings and proofs, has ordered, adjudged and decreed as follows:

That Adelmer D. Plumb was the first, original and sole inventor of the improvements in carpet sweepers described and claimed in letters patent of the United States, issued to him October 19, 1880, and numbered 233,371; that the complainant is now the sole owner of said letters patent and of all claims for damages caused by the infringement thereof; and of all claims to profits derived by infringement therefrom; that the said letters patent are good and valid in law and secure to the said complainant the exclusive right to manufacture, use and vend the invention described and claimed in the second claim thereof.

That the said defendant has infringed the exclusive rights so secured to the complainant, by the manufacture and sale at the said city of Grand Rapids, and elsewhere, of carpet sweepers called the "Banner," "Star" and "Perfect" sweepers, which sweepers embody the invention secured to the complainant by the second claim of said letters patent.

That the said defendant, its officers, agents, employees, salesmen, servants and workmen, do absolutely desist and refrain from directly or indirectly making or causing to be sold, or using or causing to be used, carpet sweepers in any manner embodying and imitating the said invention so secured and described and claimed in the second claim of said Letters Patent No. 233,371; and particularly that they, and each of them, desist and refrain from so manufacturing, using and selling said sweepers so manufactured by them and known as the "Banner," "Star" and "Perfect" sweepers, as well as any other sweepers of the same form and construction, but which may be known upon the market by different names; and that a writ of injunction do issue accordingly.

That the said cause be referred to John S. Lawrence, Esquire, master in chancery, to take an account of the gains and profits which have accrued to the said defendant, and of the damages which have resulted to the said complainant by reason of such infringement, such accounting to be taken according to the rules and practice of the courts of equity, and the said accounting when completed, together with the evidence taken by him, to be reported by said master of this court with all convenient speed. All the evidence heretofore taken and introduced in the case may be used before the master without being again introduced, so far as the same may be pertinent to the accounting, and both parties shall be at liberty to produce such further evidence as they desire.

Hardware Club Notes.

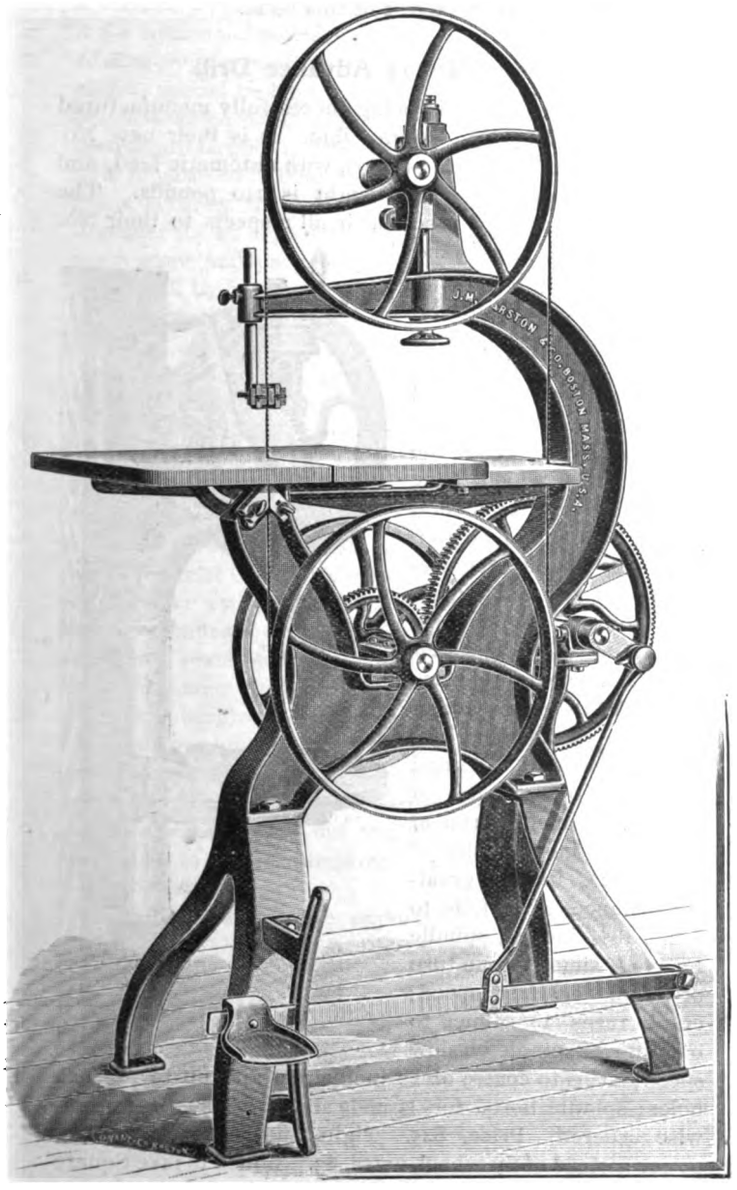
The following gentlemen have been unanimously elected members of the New York Hardware Club since our last report:

William H. Parsons, Jr., No. 257 Broadway.
M. C. Parsons, No. 257 Broadway.
John Cartledge, Joseph Wild & Co., No. 82 Worth Street.
Edward White, Treasurer New York, Lake Erie & Western R. R. Co., No. 21 Cortlandt Street.
Elmer S. Smith, No. 136 Liberty Street.
Isaac D. Fletcher, No. 253 Broadway.
E. C. Lewis, Waterbury, Conn.
E. H. Paine, U. S. Rubber Co., No. 90 Reade Street.
G. C. Blickenderfer, Stamford, Conn.
C. W. Seamans, President Union Typewriter Co., No Broadway.
E. Graham Bacon, Jr., No. 218 Greenwich Street.
F. P. Prial, No. 21 Park Place.

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Marston's Improved Band Saw.

J. M. Marston & Co., No. 251 Ruggles Street, Boston, Mass., are placing upon the market the improved 20-inch Hand and Foot Power Band Saw here shown. In description of the same the makers say that the frame is cast in one piece, to which the legs are firmly bolted, making it sufficiently strong and rigid to withstand all demands that may be made upon it. The legs have a spread of 27 inches, giving it large floor support. The machine weighs 350 pounds, is 5 feet 8 inches to top of saw pulley, and occupies 27x44 inches on the floor. The table is of kiln dried maple, 22x22, is 3 feet 4 inches from floor, and is arranged to tilt for cutting on a bevel. All the bearings are on main frame or casting. The shafts are of steel, lathe turned,



and run in accurately bored babbitted boxes of extra length. The band wheels are 20 inches in diameter, and are covered with pure rubber endless bands strengthened with canvas. The upper band wheel bearing slides on accurately planed gibbed ways and is adjustable up and down to take different lengths of saw, and also has adjustment for lining it with lower band wheel A roller guide is furnished with each machine. The tension is by means of specially made and tempered steel spring, and prevents the breaking of saws. The gears are all automatic machine-cut from solid iron. The machine will cut to centre of 40-inch circle and 6 inches high. The workmanship and material are of the best. The reputation of the builders as makers of standard high grade Hand and Foot Power Machinery is a guarantee of its being a well made and accurate machine. Orders for these Band Saws from London, San Francisco, St. Louis and New York have already been filled. All inquiries for catalogues and quotations will be cheerfully answered by J. M. Marston & Co. at the address above given.

Clapp & Co.'s Great Annual.

Clapp & Co., bankers and commission merchants in the Mills building, New York, have just published their Annual Souvenir, in the shape of a magnificently finished book, nearly a foot square, and containing over 350 pages. It is bound in heavy boards, in blue and gold, has gilded edges, and in its finish and artistic completeness, is worthy of a position in any office, library, or upon any parlor table. It is illustrated with numerous views of the financial centres of New York; contains portraits of O. W. Clapp and Dwight O. Clapp, members of the firm; a view of the different departments of their business, and much other pictorial matter of an interesting character. It also gives views of the interior and exterior of the New York Stock Exchange, the New York Clearing House, and the stock exchanges and boards of trade in all the leading cities of the country. The main body of the book consists of the various weekly letters published by Clapp & Co. each week in the year, with other valuable matter of like character. A large number of tables, containing financial and commercial information of the greatest value, are also found. This makes the book a daily, weekly, monthly and yearly record of the markets of the world, with a standard history of the past year of the world's exchanges. Men of business will find it a most convenient book of reference, and it certainly has great historic value as a compact record of the year 1894. Its value will increase with time. The publishers well say that "Every man should be a student of the laws of the economic and financial world which are taught through these human instruments of interpretation, record, and transmission, known as words and figures." The book is a credit to the publishers, and is a volume that contains a mass of information that it would be almost impossible to obtain elsewhere.

A Very Important Addition.

The Thompson Hardware Co. have increased their large and prosperous business by the addition of a large store in the Fellows' block, No. 143 Middle Street, which is well stocked with paints, oils, artists' supplies and glass. In future this large addition will be devoted entirely to their paint department, and they will be ready to supply all kinds of goods in this line in large or small orders. They are making a specialty of Masury paints, colors or varnishes, for which they are sole agents. This important branch of the business is in charge of F. C. Lawrence, who has had years of experience with C. B. Coburn.—*Lowell (Mass.) Sun.*

Rezin H. Gorsuch, for many years in the Hardware business at the corner of Gay and Front Streets, Baltimore, Md., is dead, aged eighty-one years. He had an active business career of nearly half a century, but several years ago was attacked with Bright's disease, which caused his death. He was born near Cockeysville, in Baltimore county, and began life as a carpenter, spending fifteen years working at his trade in the West. In 1855 he opened a Hardware store in Alexandria, which he transferred to Baltimore at the close of the civil war.

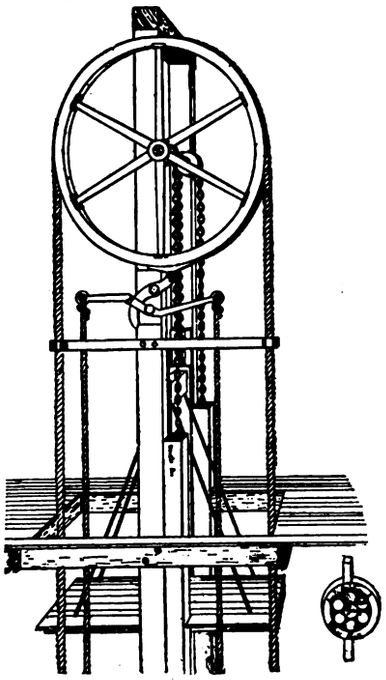
The Arcade File Works at Anderson, Ind., are erecting a large addition to their plant at Anderson, being the third enlargement within twelve months.

The Indiana Hedge & Wire Fence Co. have incorporated, with a capital stock of $300,000.

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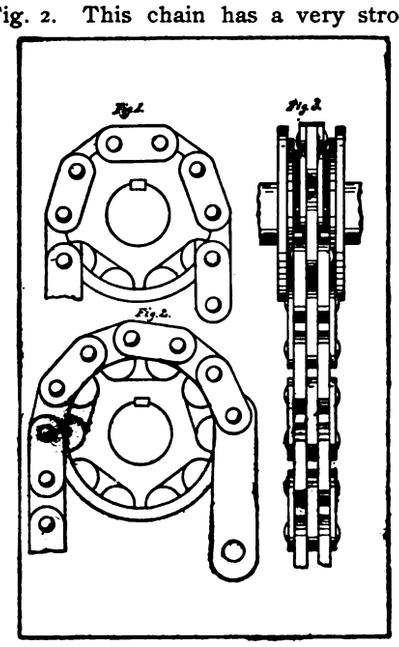
An Improved Elevator.

We here show one of Kimball Bros.', Council Bluffs, Iowa, Hand Elevators for retail stores. It has a capacity for such as are generally used in retail stores or places where the capacity is not required to be very great, but where a ma-



chine is wanted to be quick motioned and easy to operate, for convenience in running from one floor to another.

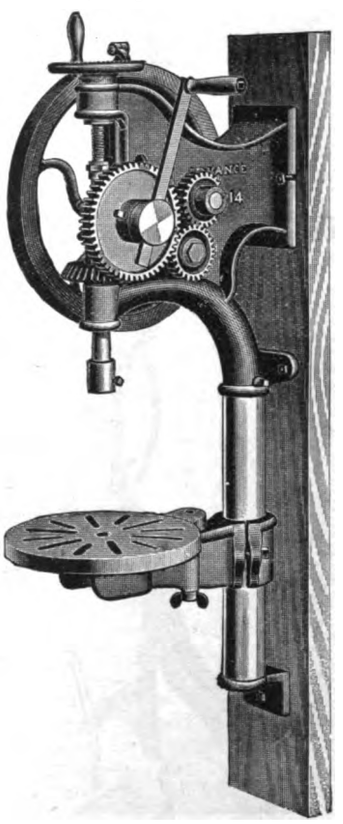
The cut of the elevator shows the platform, etc., and the brake, which is very handy and can be operated on either side of the platform, it makes no difference whether the operator is at one side at one rope or at the opposite side, as the brake rope is always handy, and by pulling up or down on either side of these ropes the elevator can be locked at any point desired. These elevators are giving the best of satisfaction wherever they have been placed, and there are a great many of them in use all over the United States. They have lately made a great improvement on this machine by placing a steel leaf chain such as shown in Fig. 2. This chain has a very strong capacity



and runs very smoothly over the steel sprocket wheels as shown in cut. Fig. 1 shows the chain in position when in use, and one notices that the links match the sprockets exactly. These are all cut by special machinery made to work exactly one within another. The Fig. 2 shows the chain on top of the sprockets. This is when the platform runs too high in case anyone relieves the brake, the elevator would run up, and should they be green hands and get scared, or neglect to apply the brake, the elevator would run up, and if it was not for this arrangement, would break the elevator. Fig. 3 shows the chain as it lies in the wheels and just coming out of the links that raises it out of the sprocket wheels. This improvement is a great thing for all elevators and it is something that is necessary. They build a great many kinds of elevators, all the way from an electric power elevator of 4500 capacity, down to a dumb-waiter for dwellings, and can furnish anybody anything wanted in the hoisting and elevator line. They would be pleased to send their catalogues to any who are thinking of getting an elevator, and can fill orders promptly and furnish first-class machines at a small expense. Please notice their advertisement on page 2 of this issue.

Silver's No. 14 Advance Drill.

The Drill here shown is being successfully manufactured by the Silver Mfg. Co., Salem, Ohio. It is their new No. 14 Advance Drill, pattern of 1895, with automatic feed, and double back geared. The weight is 240 pounds. The makers explain that it is similar in all respects to their No. 13, but much larger and heavier, making it suitable for all the requirements desired of a hand Drill Press; and when provided with pulleys as listed below, will be found a very efficient power Drill. The 100 pound Drills which have had such a run for several years, have not proven sufficient to the requirements of many and to meet the growing demand for something more substantial at a moderate price they offer their new line of Advance Drills and invite comparison. Sizes and Dimensions: Size of spindle, 1⅛ inches; run of spindle, 3 inches; size of column, 2¾ inches; greatest distance of spindle to table, 18½ inches; spindle turns 1½ times to one turn of crank on fast speed; crank turns 1½ times to one turn of spindle on slow speed; drills to centre of 22 inch circle and up to 1½ inch holes; spindle bored for ½ inch shank drills unless otherwise ordered. Price, $25. Tight and loose pulleys for power instead of fly wheel, extra, $3. Chuck to take Square Shank of Bit Stock Drills, extra, $1.



Dr. T. C. Yancey, of Malta Bend, Mo., is the owner of a knife once owned by Gen. Zachary Taylor. It is a two-bladed, bone-handled clasp knife, with "Rough and Ready" stamped on the large blade. Upon the silver plate of the handle is inscribed "Gen'l Taylor." On the metal pieces at the large end is a good carved likeness of old "Rough and Ready," dressed in the full uniform of a general of the United States Army.

There is a versatile dealer in Farmington, Minn., who combines a Hardware store and an undertaking establishment.

HARDWARE costs only One Dollar a year.

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ARE HARDWARE ASSOCIATIONS BENEFICIAL?

NATIONAL ASSOCIATION OF MANUFACTURERS OF THE UNITED STATES.

EDITOR HARDWARE: I have your favor of March 29th. It is a trifle early in the Spring to make an estimate of the harvest. The National Association of Manufacturers is still in formative condition, and the benefits which may accrue to the trade through this Association remain to be developed. The Convention in Cincinnati was in the form of a voluntary conference to consider the propriety of forming a National Association. That Convention did its work admirably in preparing the basis upon which such an Association should be built. I should say, therefore, that the benefits which have accrued to the trade through the Association are largely in the direction of encouragement and new impetus to industry, growing out of the feeling that the manufacturers of the United States have organized to stand together for an organization so broad and comprehensive in its scope and purposes as to afford assurances that its views will be heard wherever and whenever it is found necessary to give them utterance.

I send under separate cover the printed matter of the Association, showing progress thus far, from which you will undoubtedly derive the impression that much depends upon the vigor with which the vice-presidents, chosen at the recent convention to represent the respective States, apply themselves to the work of organizing membership in the Association in the form of local clubs and associations, whose representatives will constitute the delegates to the next National Convention, which will be held in Chicago, on October 15th; which convention, it will be observed, can be composed only of practical, active, leading, representative manufacturers. The constituency of that convention, under the provisions of the constitution, will exceed four hundred.

What four hundred such men, in convention assembled, may do and devise, affords a wide field for speculation; but assuming that they come together, each inspired with a determination to carry out the purposes announced in the preamble to the constitution, it would be very difficult to imagine failure.

Thanking you for the opportunity to say thus much, I am, Yours very truly,

E. P. WILSON,
Secretary.

Cincinnati, Ohio. April 1st, 1895.

MISSISSIPPI & MISSOURI VALLEY HARDWARE ASSOCIATION.

EDITOR HARDWARE: Without the time to look up anything with reference to the matter, I can only say that the Association was organized about thirteen years ago, and I feel sure there is no member in it but feels he has received a large amount of good from his association and connection with it. Many pleasant acquaintances and intimate friendships have been formed, and in all matters where we have come in contact with the manufacturers, we have always found them glad and willing to meet us more than half way on any requests that were made.

Regretting my inability fully to comply with your request, but hoping in this case you will take the will for the deed, I am, Yours truly,

Omaha, Neb., April 8, 1895. B. S. WRIGHT, Secretary.

EX-PRESIDENT THOMPSON'S VIEWS.

EDITOR HARDWARE: I regret I cannot get to you my reply in time for your accommodation, but I give you just a word, and may be it will arrive not too late. The benefits that have accrued are those that naturally follow in the line of exchange of intercourse and social relations. Men are but animals of a higher type, and as they become estranged they are disposed to fight; but when brought together they soon enjoy each other's companionship, and the fighting feeling dies a natural death, having nothing to feed on. There has been greater friendship among our members than ever before, which has worked to actual benefit. Our members are frank to express that they have been helped very much in exchange of ideas and methods.

The trade, especially in Boston, has never been so harmonious in feeling as since the organization of our Association. I speak of Boston as nearly all the dealers in that city are members. There is no question but if all the dealers in themselves New England would band together, that great good would follow. Yours truly,

Lowell, Mass., April 8, 1895. S. H. THOMPSON.

Underhill, Clinch & Co.'s New Connection.

The following circular letter to the trade carries its own explanation:

Norwalk Lock Co., South Norwalk, Conn., manufacturers of Artistic Bronze and Iron Builders' Hardware, Locks, Knobs, Butts, etc.:

To the Trade: We have appointed Messrs. Underhill, Clinch & Co., No. 94 Chambers Street, New York, our sole agents for New York City and vicinity, and solicit through them orders for goods we manufacture. They will carry in stock a large assortment of our products, and will sell at such prices as the market creates.

Yours truly,
NORWALK LOCK CO.,
E. Beard, President.

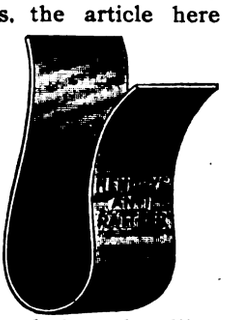
Having surrendered the agency of the Branford Lock Works, to accept the agency of the Norwalk Lock Co., of South Norwalk, Conn., we would be pleased to receive orders for any of their well and favorably known goods. They being large manufacturers of high and medium grades of goods, we shall be able to supply the wants of our customers promptly, and at such prices as will be satisfactory. Direct telephone communication over private wire with the factory, will enable us to give quick information in regard to special orders.

In the sale of these goods, we shall adhere to our long established principle of selling only to dealers. Inquiries from others will be referred to our customers.

Respectfully,
New York, March 15, 1895. UNDERHILL, CLINCH & CO.

An Anti-Rattler Thill Coupling Spring.

The Sabin Machine Co., Montpelier, Vt., are placing upon the market with great success, the article here shown. It is Hendry's Anti-Rattler Thill Coupling Spring, which is adapted to any coupling: is so formed not to wear it, yet holds the shaft securely, and prevents all rattling. It is an oil-tempered steel spring, and is therefore described as having great lasting qualities. It is made in five sizes: ¼, ⅜, 1, 1⅛, and 1¼ inch. It is an article sure to be handled successfully by Hardwaremen and those handling carriage manufacturing supplies. The Sabin Machine Co. will be pleased to hear from all who are in any way interested.



One reader of our recent Anniversary number writes: "We read your paper through with great interest—*advertisements* and all."

The man who has been retailing shears along Chambers Street was indeed carrying coals to Newcastle.

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Review of the Markets.

Money: During the week past there has been a slightly easier feeling in the money market. Business has grown in every speculative department, but this is not a very satisfactory view of the situation. The flurry in oil has been a marked feature of the market, but whether it means a scarcity of oil, mere speculation on the part of heavy dealers, or is the outgrowth of a combination between the Standard Oil Co. and the great Russion oil company, is a matter which time alone can properly answer. General stocks have been a little stronger, and there is a hopeful outlook for the principal crops. Foreign trade shows a heavy balance due abroad, and it is thought that a great deal of gold would go out, were it not for the negotiation of bonds by the syndicate.

Hardware: Trade has fallen off during the last week, and is not now as good as it was about April 1st. Orders that are placed are as a general rule quite small and of a miscellaneous character. Retailers' stocks must be very low and they only order when absolutely forced to, and then in the smallest possible quantity. It stands to reason that when the time comes for a general restocking, trade is bound to brighten up. The boom in building is expected to benefit trade in two ways. It will largely increase the demand for builders' Hardware and give employment to those who buy Hardware. The tone of the market is firm, few manufacturers being willing to go below quotations. The trade in sporting goods and bicycles is active. Most of the houses are busy filling back orders.

Nuts and Bolts: The market in New York is very quiet. Reports from the West indicate that business in that section is decidedly better, though most of the trade is in contract orders.

Wire Nails: The rumored combination of the large wire nail companies forms the principal topic for discussion. It seems to be well-founded, although the principals in the affair evince a disinclination to say much on the subject. There is but little change in the condition of the market, with the possible exception that prices are firmer. Mills are not anxious to take orders for future delivery, as they have as much of that kind of business as they can attend to. 80 cents is the bottom price for large lots for prompt delivery, while small lots are quoted at 90 cents.

Cut Nails: The market is holding its own firmly. A number of orders have been placed and trade is moving well. There are no deviations from the agreed upon prices. Carloads on dock are quoted at 80 cents on a 60-cent average. Lots out of store are bringing 90 cents.

Locks: The trade, as far as volume of business is concerned, is in a better condition than it has been for some time, but prices are lower than ever. Owing to the increase in building there is a good deal of business in sight in the East.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot..... ℔	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting.....	10¼
Anchor Rolling.....	10½
Baltimore Rolling	10½
Orford.....	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl....17c.	℔
Over 3½ to 5 " " ... 18c.	℔
Square and Hexagon Rods, 1c. extra.	℔
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive...18c.	℔
Over 3½ to 5 " " ...19c.	℔
Antimony.	
Hallett's .....℔	7¾
Cookson's.....	9¾
Lead.	
*Foreign .....℔	nominal.
Domestic.....	3½@3¾
Spelter.	
Foreign..... ....℔	4¾
Western, common	4
Zinc.	
Sheet, cas.k.....℔	4¾@5
Tin.	
Straits, 10 ton lots, spots ℔	15
Straits, store lots.....	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin.....	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC.....	5¼
Each X $1.50.....	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20..... ...	4¾
Do. 20x28.....	9.25
M. F., 14x20	6½
Do. 20x28.....	13.00
Dean, 14x20.....	4½
Do. 20x28.....	9.10
D. R. D. grade, 14x20.....	4¾
Do. 20x28.....	8½

In sympathy with the other branches of the Hardware business, the domestic cutlery business is in a somewhat depressed condition. The import trade is very quiet. The delivery of German goods is frequently delayed owing to the strike which is still on in that country.

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "A popular movement in finance is an electric inspiration. Fluctuations of sentiment like vibrations of current increase a power as invisible as it is potent. Everything worth having seems almost within reach of everybody worth anything. The air that was lately leaden seems charged with buoyant sentiment to quicken impulses. Ambitions recently hopeless seem stepping stones to other elevations. A nation or a man that can go to sleep at will, generally retains needed power for waking movements. Straws: About one-fourth of our railway system is in the South, equalling 42,000 miles. Since the trolley electric was introduced about six years ago, 9008 miles of surface railroads have been erected or changed to that system. Only 2243 miles still use horses; 652 miles are run by cables; 614 by steam motors; 62 lines are carrying mail, 55 are hauling freight, 35 have started express service. Evidently electric service will revolutionize transportation interests. Imported goods free of duty for the first six months of the new law equalled 47.9 per cent., against 56.7 per cent. for a corresponding six months the previous year under the old law. Dutiable imports were $131,987,046, against $185,298,927 previous year. Exports decreased $47,277,056 or 9.7 per cent. Imports increased $51,473,439 or 16.9 per cent. Free importation of raw material for manufacturing uses was $50,980,697, against $86,259,779. The imports of nine classes of manufactured goods in February, 1895, were valued at $17,206,056, against $8,395,526 in February, 1894."

THE BALTIMORE TRADE.

Yes; we are comparatively busy. The packing floor for the past fortnight has been covered with orders, the diversity of which occasions some doubt as to whether the country merchant is buying his spring or fall stock. Never, in an experience covering many years, has the writer seen such oddly assorted orders: Freezers and Fire Shovels, Screen Doors and Coal Hods, all delightfully mixed in one shipment.

The visiting trade is still with us. Their confidence in the return of good times is refreshing after the long spell we have had of pessimistic ranting. They all speak hopefully for the prospects of good crops in their locality, and as yet, have not vexed themselves with the tormenting vagaries of the currency question. Trade from the tidewater section of Virginia will begin to arrive next week. Their visit will be a hurried one this year, as the farming season in the truck-raising section is now under a full swing.

Mail orders are frequent and larger in comparison than at any other period of the year. Such business is always flattering. It is a special mark of confidence on the part of the country merchant, an implied compliment that merits careful execution, prompt delivery, low prices. Special tact is required in handling such trade properly. In the first place, it necessitates a thorough knowledge of the wants of that section from which the order comes; a knowledge gained only after long experience. Many of such orders are for irregular goods of such sizes of staple goods not generally carried in stock even by the jobber. It would be easier to place such orders on your "back order book"; but by so doing you greatly inconvenience the customer. By far the best policy is to buy the goods out in town from some other dealer, charging a small percentage above cost; if necessary, put them in at actual cost, sooner than subject him to the delay of waiting for what he needs *at once*. This is the only method of properly treating such business.

Just at the present time Bicycles and Fishing Tackle are coming in for a large share of attention. There is a pleasure in selling both, aside from the profit they bear. The purchaser of a wheel is sure to become a convert to the Good

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"Prove all things; hold fast that which is good."

HUMBERS HAVE PROVEN



All things that are reliable and excellent in cycle construction. Their reputation and standing as

THE PATTERNS OF THE WORLD

Have been built up by the practical tests of twenty-six years. : :

HUMBERS HOLD FAST



To all that experience has proven good, and always furnish to buyers Humber Quality at Humber Prices.

Humber & Co., America, Ltd., 318 Broadway, New York.

Road movement and we have never met a true fisherman of a vicious disposition. In both cases nature becomes a great moral teacher.

As yet, we have not taken up the sale of Bed Springs or Baby Carriages. We leave that to those Anacondas of the West. From a purely business point of view, both might prove profitable; but there is an incongruity about them that jars with "the eternal fitness of things." These so-called "New Departures" are the growth of diseased business methods, and ultimately can only have one end. The demand which called into being the department store had some legitimate foundation—it is simply the enlarged edition of the old country cross-road store of twenty years ago, when nainsook and nails were sold over the same counter. The insatiable desire on the part of some of our Western competitors to sell everybody everything irrespective of nature's boundaries, has proven one of the most demoralizing factors in the past two years. As for ourselves we retain enough of the conservative "old fogyism" to find field enough for our energy in the legitimate articles of Hardware manufacture. *The fullest and best ears of corn hang nearest to the ground.*

The location of a site at Clifton for our exposition in 1897, has created a building boom in the northeastern part of the city. This, together with suburban development, has stimulated considerable local demand for builders' Hardware, mostly in the cheaper grade of goods: bronze locks and trimmings finding slow sale.

Prices are firm, and there seems to be a general feeling that the era of advances is close at hand. Heavy Hardware will no doubt be the first to reflect the upward movement, although Bright Wire Goods have taken a turn for the better, the manufacturers last week advancing prices ten per cent. The wire nail mills, overcrowded with orders, are running on double turns. The makers yesterday combined to raise prices five cents per keg. The eastern manufacturers of steel nails advanced prices several weeks ago. The only weakness apparent is the Wire Market, the demand this spring falling considerably short of previous seasons.

Collections are only fair.

THE TABB & JENKINS HARDWARE CO.

THE PHILADELPHIA TRADE.

At last spring is with us, and while we can hardly say with Mark Twain "that the voice of the turtle is heard in the land," still it is gratifying to report that it is having an effect on trade.

Last year spring trade was in March, but as the weather has been so inclement and backward, we look forward to a good spring trade in April and May.

All spring goods are in demand; shovels, rakes, hoes and ice cream freezers are moving freely, and there is a reaction from some of the low prices on poultry netting; stocks are growing lower and in some quarters are almost exhausted.

The boom in bicycles still continues and it is impossible to get them fast enough to supply the demand. All classes are now riding the wheel, and Hardwaremen have awakened to the fact that they are the proper parties to handle the goods. There is no doubt this is to be the heaviest year on bicycles that has ever been known, and the only question is whether the supply will meet the demand.

Factories are running overtime, and in several cases we know that jobbers have had to make personal visits to the factories in order to get stock and many of the small jobbers are cut off from their supplies altogether.

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We hope to see the same boom in Hardware. Stocks are certainly very low, and the encouraging signs of reviving business, increasing wages and more general employment in the laboring classes should have an effect on general business.

Wire Nails are firmer and many staple goods which have been at extremely low prices are now being held at higher values. Biddle Hardware Co.

THE DAVENPORT TRADE.

May we offer congratulations on your Fifth Anniversary wishing you many happy returns; and we also wish to congratulate you upon the beautiful copy of Hardware issued on that date. If this issue is an indication of the pace set by a five year old, what enormous proportions and elegance of style will be reached by the time it becomes of age and full grown.

The completed portion of the Illinois & Mississippi Canal was formally opened to the public on the 17th instant; the event being appropriately celebrated by hundreds of business men taking a steamboat ride through the canal. It was a proud day for Davenport. The Hennepin Canal, as it was then known, was first projected half a century ago. The project has been discussed both in and out of Congress ever since, hence, when the first section of the canal was actually thrown open to the public for navigation, the people who had so long planned, worked, thought and expended their valuable time and vast amounts of money to accomplish this end, were jubilent indeed. May we soon see this national waterway completed to Lake Michigan, which will give the valleys of the Mississippi and Missouri rivers direct water communication to the Atlantic through the Great Lakes, Erie and Welland Canals, the Hudson and St. Lawrence rivers.

The is a regular "Tempest in a Tea-pot" fight in progress between a jobbing house in Chicago and a Western wire nail manufacturing company, over some wire nail deal, and both parties are getting quite a little cheap advertising out of it; an interior Iowa jobbing firm, who evidently desires notoriety also, issues a printed postal card, with the startling announcement, in big black letters, "*We are in it too*," and proceeds to quote a cut price on wire nails.

A telegram just received states that at the meeting of the sheet iron manufacturers, at Pittsburgh, on the 17th, it was decided to advance the price of both black and galvanized sheets.

Builders' Hardware, Farming Tools, Poultry Netting, Screen Wire, Screen Doors, and Paints are in active demand.

Sales will compare favorably with those of a year ago; collections are fair, with no failures to report; weather favorable for crops. Sickels, Preston & Nutting Co.

THE CHICAGO TRADE.

The increase shown in the business of last month over March of '94, has more than kept up so far during the current month. While business in general cannot be said to be booming, there are some seasonable lines that are in very large demand, and both jobbers and retailers are experiencing trouble in getting their orders promptly taken care of. This is notably true in the bicycle business, particularly in the lines of wheels known as medium grades. It would look as if the ability of the manufacturers to supply these wheels is far below the demand, and quite a number of the more prominent makers of high grade wheels are also unable to keep up with their orders, which are very much heavier than had been anticipated. There seems to be a shortage particularly in the way of ladies' wheels of certain patterns. In many cities it is becoming quite "the thing" for ladies to do, and the recreation has been taken up by a class of ladies who two or three years ago thought it one of the last things they would be guilty of.

In general Hardware lines the demand seems to be improving from day to day, and one encouraging feature about the orders received is that we notice the quantities of goods ordered are growing somewhat. The buying is still of a very conservative nature, still the orders indicate that dealers are buying something in excess of orders which they actually have to fill themselves, which has been about the way they have been buying for two years past.

Prices still rule extremely low, but stocks are so light in the hands of manufacturers, jobbers and retailers that it would seem as if the demand for goods, if it keeps increasing as it has during the last six weeks or two months, will make it possible for manufacturers to get some advances, and we are hopefully looking forward to the near future for a realization of this wish.

Woodrough & Hanchett Co.

THE BOSTON TRADE.

The general business for the past two weeks presents a distinct improvement, and much is due to the effort of Nature, which has given us some seasonable weather, and wonderfully brightened mercantile prospects throughout this section.

The orders received show a general assortment, and it is still evident that buyers are not purchasing for any other than immediate wants. The days for speculative buying seem to be of the past, and the low ruling prices are no temptation to the buyer to anticipate future needs. Under conditions as they exist to-day, it seems to be unwise to advance prices, and all advances made since January 1st are susceptible to some concession.

The demand for Garden Tools has been in excess of last season, and the better grades of both Western and Eastern manufacture have been given the preference. These goods are so reasonable in price that the trade prefer to get a tool that has a reputation, rather than some of the inferior grades that have been offered in seasons past.

Collections are slow and not up to the average.

Frye, Phipps & Co.

THE AUSTRALIAN TRADE.

Superficially, the condition of trade is strongly suggestive of the country generally being in a pretty bad way. The outward condition, however, is misleading. Five or six years ago, when business was booming and everything appeared to indicate phenomenal prosperity, the Colonies were importing far in excess of their exports, and were piling up indebtedness on borrowed money at an alarming rate. All that is now changed. The guiding policy on all sides is economy; and although trade operations are on a small scale, what is bought is paid for or sold on a safe basis of credit, and therefore of a perfectly sound and legitimate nature, while at the same time the output of exportable produce has been greatly increased and unquestionable returns demonstrate conclusively that the balance is now on the side of prosperity. This, too, in the face of difficulties encountered at the hands of the government through import duties on tools and implements, etc. entering into the production of exportable goods; a policy which has been pushed to extreme limits in the labor interests, with a view of encouraging the domestic production of things which could be purchased elsewhere for half the intrinsic value of the labor expended, the unwisdom of which is slowly but surely manifesting itself to the people.

With a climate and every natural condition favorable to the development of such industries as the raising of cattle, sheep, wool, wine, butter, cheese, poultry and such kindred articles, Australia's prosperity consists in such pursuits rather than in the manufacture of goods in which, by reason of advantages of raw material at hand, larger production and lower cost of labor, she is easily out-distanced by other countries. McLean Bros. & Rigg, Ltd,

Walter J. Travis, Mgr.

Nos. 52 and 54 New Street, New York.

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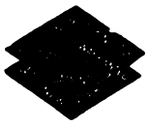


Garden or Lawn Hose.

TO KEEP the grass green, the lawn beautiful, the garden thrifty, to lay the dust and cool the air, your customers will soon call upon you for Lawn and Garden Hose. Have you a stock to supply early buyers? We can furnish you with hose that will not burst, will not leak, will not sweat, that will please your customers, keep them pleased, and increase your business. From the different brands enumerated below, we can meet your views as to price and quality.



"1846 Para."—A half century of good service stands behind this hose. It is recognized as the very best in the market, being made from the finest Para rubber and cotton duck woven specially for us. Hundreds of testimonials from the trade and public place its excellence beyond dispute.



"Double Diamond."—A strong, durable hose, warranted to give entire satisfaction. It is carefully constructed of excellent stock, and there is nothing better offered, 1846 Para excepted.



"Carbon."—This brand will render entirely satisfactory service. It is constructed in a superior manner, and gives greater value for the price than any offered by other makers.

"Double Diamond" Cotton Hose.—The fabric of this hose is circular woven, of a heavy and high grade of yarn, and is so pliable that it can be bent or twisted without injury. It is exceedingly strong, will withstand 500 lbs. pressure, and we can safely warrant it not to burst under the pressure of any system of water works. Every length is tested, and if hung up and allowed to dry after use, it will render good service for years.

"Spider" Cotton Hose.—This is of precisely the same weave as the Double Diamond, and while of lighter fabric, will withstand ordinary water pressure and render reasonable service.



"Spider."—Our cheapest quality; is several grades higher than the best competition hose in the market.

NEW YORK BELTING & PACKING CO. LTD

PIONEERS AND LEADERS. NEW YORK CITY.

Goods are best. Prices are right.

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A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

Heavy Hardware Jobbers' Union.

The annual meeting of the Heavy Hardware Jobbers' National Union was held in Louisville, on April 19th and 20th. It was one of the most successful ever held by this Association, and representatives were present from St. Paul, Chicago, Indianapolis, Louisville, St. Louis, Milwaukee, Davenport and Memphis. While in session the Union discussed many matters of importance to the trade. This related principally to the good of the Union itself, the relation of traveling men to the jobbers, and the shipping facilities of the different cities of the country. When the annual election occurred for officers for the following year, a few changes were made, owing to the desire of the previous occupants to be relieved of their burdens; but where there was such an abundance of good material, no mistakes could have been made in the selection of the new ones. The names of those chosen is a guarantee of the future usefulness of the Association. The new staff consists of the following gentlemen:

President: F. K. Maas, of Chicago.

Vice-Presidents: S. D. Kimbark, Chicago; Gaius Paddock, St. Louis, and George Deming, Cleveland.

Secretary and Treasurer: George D. Todd, of the Todd-Donigan Iron Co., Louisville.

Executive Committee: R. E. Brier, St. Louis; J. R. Nichols, St. Paul; Morris B. Belknap, Louisville; H. B. Hunter, Milwaukee, and Clifford Bruce, Memphis.

It is needless to say to those who are acquainted with Louisville, that the abundant hospitality of the Hardwaremen of that city was shown in the usual lavish and generous manner, and the visiting members speak in the highest terms of the reception which they met, and went home sounding the praises of Louisville, in no uncertain way. The dinner at the Pendennis Club, at which the visitors were entertained Friday night, was a most pleasant event. A feature that pleased the visitors highly was the presentation to each of a bottle of the oldest and choicest Kentucky whiskey. Attached to each bottle was a card bearing the name of the recipient and the words, "For Medical Purposes Only."

Situations Wanted.

SITUATION wanted to auctioneer job lots or Hardware specialties through the West, by a man who has had twenty years' experience in that line, and can furnish A1 references. Would be pleased to correspond with job lot dealers Address P. H Starr, Norwalk, Ohio.

AN experienced Hardware salesman, ten years on the road, desires a position with a first-class cutlery or Hardware house. Best of references as to character and ability. Address H. W., care HARDWARE, No 143 Chambers Street, New York.

Help Wanted.

A YOUNG man of good character, habits and ability, as bill clerk and assistant bookkeeper in a New York Hardware concern. Address, stating age, references and salary expected, Bill Clerk, care HARDWARE, No. 143 Chambers Street, New York.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



25c.

Regulates supply of oil to a drop.

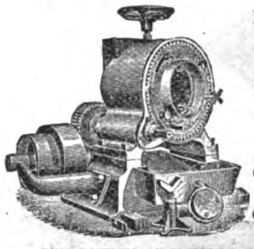
DOES NOT LEAK.

Cushman & Denison, 173 9th Ave., N. Y.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

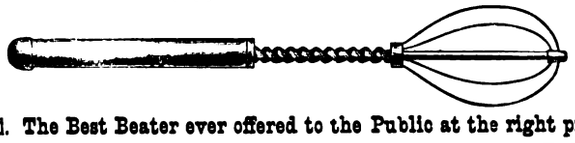
CURTIS & CURTIS,
No. 3 Garden Street, Bridgeport, Conn.

Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.



The Perfect Egg Beater, Nickel-Plated.

Ask for a Catalogue.





Patent Allowed. The Best Beater ever offered to the Public at the right price.

Manufactured by - - F. H. WEEKS, Akron, Ohio.

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The Enterprise M'f'g Co. of Pa., Third and Dauphin Streets, Philadelphia.

CHERRY STONERS.

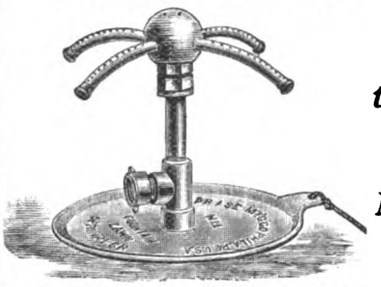


PRICES

No. 1, Japanned, $7.50 per dozen.

No. 2, Tinned $9.00 per dozen.

LAWN SPRINKLERS.



Indispensable to a Well Kept Lawn.

No. 1, $3.50.

No. 2, $2.75.

FRUIT & JELLY PRESS, TINNED.

Invaluable for making Wines, Jellies & Fruit Butters.



Price, . $3.00

RAISIN SEEDER, TINNED.

Will Remove Every Seed Without Waste.

PRICE.

No. 36, . $1.00



Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

FOR SALE BY THE HARDWARE TRADE. SEND FOR CATALOGUE, FREE.

COLUMBIA WASHING MACHINE

Made of Best Virginia White Cedar. All Trimmings, Casting, etc., Galvanized.

An Easy Seller. Prices and Catalogue gladly sent on application.

RICHMOND CEDAR WORKS,

MANUFACTURERS OF

WOODENWARE,

Mention HARDWARE. Richmond, Va.



HENDRY'S ANTI-RATTLER THILL COUPLING SPRING.

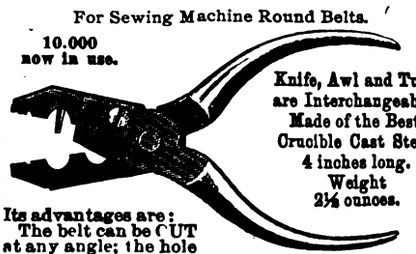
Best Metal Spring: Adapted to any Coupling: Holds the Shaft: Prevents All Rattling: Lasts: Easily Adjusted.

Sabin Machine Co., Montpelier, Vt.

ENTREKIN'S COMBINED CUTTER PUNCH AND PLYER.

For Sewing Machine Round Belts.

10,000 now in use.



Knife, Awl and Tube are Interchangeable. Made of the Best Crucible Cast Steel 4 inches long. Weight 2½ ounces.

Its advantages are: The belt can be CUT at any angle; the hole can be PUNCHED any distance from the END, to suit different length belts.

This well-known Punch is now made with either the Awl or Hollow Tube.

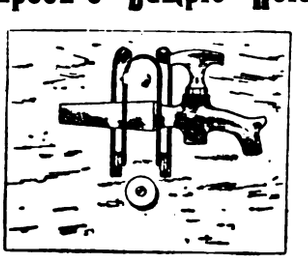
For sale by all first-class Hardware dealers.

Price to the Trade, $6.50 per Doz.

Sample Awl sent by mail on receipt of 55 cts., one half doz., $3.50 (Postal Note). Extra Knives 5c., Awl or Tube 9c. each.

S. W. ENTREKIN, Manufacturer & Patentee, Harrisburg, Pa.

Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them.

Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON, Monroe City, Mo.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Bay City, Mich.—Martin & Cheever.

Bay Shore, N. Y.—Josiah Robbins & Sons.

Beaver Falls, N. Y.—Knowlton & Empie.

Boaz, Ala.—Bell & Curtis.

Cambridgeboro, Pa.—Claude E. Root.

Cedar Rapids, Iowa.—James V. Bridl.

Fargo, N. Dak.—Adams Bros.

Fish Creek Landing, N. Y.—Eugene Saltsman.

Milton, Vt.—Guy Phelps.

Montrose, Pa.—N. H. Shafer.

Newark, N. Y.—Bronk & Bolrousky.

New Decatur, Ala.—C. E. Malone, Jr.

New Hampton, N. Y.—D. C. Pullis.

Oakland City, Ind.—McAtee & McNeely.

Phoenix, N. Y.—J. A. Keeler.

Toledo, Ohio.—Showel & Co.

White Plains, N. Y.—Fowler & Sellers.

Record of Changes.

Adena, Ohio.—Smith & Moore, Hardware, reported as having dissolved partnership.

Bedford, Iowa.—Martin & Moody, Hardware, etc., reported as having dissolved.

Berkley, Va.—A. L. Winder, Hardware, reported sold to Charles Gibbs, Jr.

Blythedale, Mo.—D. R. Glaze, Hardware, reported sold to Grinewalt & Cavender.

Canal Dover, Ohio.—Stevens & King, Hardware, reported now George W. King.

Cass City, Mich.—Howe & Bigelow, Hardware, reported succeeded by N. Bigelow & Son.

Cedar Springs, Mich.—W. C. Congdon, Hardware, reported sold to S. A. Nickerman.

Chadron, Neb.—Kass & Willis, Hardware, succeeded by G. H. Willis.

Easthampton, Mass.—Kirk J. Thurston has purchased a half interest in the Hardware store of F. P. Newkirk, and the firm will hereafter be known as Newkirk & Thurston.

Fairbury, Neb.—Mrs. Mary A. Tunnell, Hardware, reported succeeded by John Thornton.

Fountain, Minn.—E. K. Blexrud, Hardware, reported succeeded by Blexrud & Bolles.

Hope, Ark.—Wilson & McRae Hardware Co., reported sold to J. P. Duffin.

Jefferson, Wis.—Held & Reinel, Hardware, reported succeeded by J. W. Held.

Kalkaska, Mich.—Charles S. Blom, Hardware, reported succeeded by H. L. Pipp & Co.

Media, Pa.—The partnership heretofore existing between D. P. Paiste and M. M. Allen, trading as D. P. Paiste & Co., Hardware merchants of Chester, has been dissolved, and the business will be conducted by Mr. Paiste alone.

Petersburg, Ind.—J. Patterson Co., Hardware, reported succeeded by Petersburg Implement Co.

Polo, Mo.—Carter & Carter, Hardware, reported succeeded by F. M. Carter.

Pontiac, Ill.—Ruddy Bros., Hardware, etc., reported succeeded by Jones & Allen.

Tacoma, Wash.—C. D. Parrish, Hardware, reported as moving to Los Angeles, Cal.

Utica, N. Y.—Robert E. King, Hardware, business sold to Lewis Smith.

Whitesville, Mo.—M. K. Manning, Hardware, reported sold to Smith Bros.

Improvements and Removals.

Americus, Ga.—H. J. Fite & Co., Hardware and implements, removed to new quarters.

Berryville, Ark.—Neff & Hinchman, Hardware, etc., are erecting a new building.

Bryan, Ohio.—The Bryan Hardware Co. have improved the front of their double block by putting in larger plate glass windows.

Clinton, N. Y.—James Clark has removed his stock of Hardware from the Onyan block to the store now occupied as a public reading room in the Blake block on College Street.

Coshocton, Ohio.—The storeroom of the Gray Hardware Co. is being enlarged.

Forest City, Pa.—I. V. Smith is moving his Hardware store from the Brown building to the vacant store in his own building.

Kokomo, Ind.—The Hardware firm of Ellis, Armstrong, Simmons & Co. have moved into the new building erected by them, where they have more commodious quarters. They make a specialty of bicycles, handling the Victor, Spaulding, Ben Hur and Crescent.

Little Rock, Ark.—The Lamberson Hardware Co. have removed to their new building.

Markle, Ind.—Wm. Cover has leased the room now occupied by Fox & Alshouse for his Hardware store.

Monticello, Iowa.—J. S. Hall has commenced the erection of a fifty-two-foot two-story brick addition to his Hardware store.

New York, N. Y.—Edward Markthaler, the well-known dealer in Hardware and furnishing goods, has outgrown the store at No. 401 Columbus Avenue and moved into new and larger premises at No. 506 Columbus Avenue. In the new establishment he will have a larger stock and be the more ready for spring trade.

Noblesville, N. Y.—C. H. Borden will soon build an addition to his shop, to be used for his Hardware trade.

Okawville, Ill.—Moehle & Tscharner, Hardware merchants, are building a two-story warehouse.

Osborn, Ohio.—The new Hardware firm of Smith & Hogendobler have moved into the J. C. Smith building.

Pikeville, Tenn.—H. H. Havron & Sons, Hardware, removed to Jasper.

Rochester, N. Y.—Extensive changes are being made at the Hardware store of Ira B. Moore & Co. on Hanson Street. New counters are being added and the stock arranged preparatory to the opening of spring trade.

Southford, Conn.—G. L. Miner, general store, is adding Hardware to his stock.

Traverse City, Mich.—Julius Campbell is moving his stock of Hardware from the building, No. 404 South Union Street, into Jacob Furtsch's old stand, No. 417 Union Street.

Business Embarrassments.

Curwensville, Pa.—A. Gates, dealer in Hardware, has assigned. Assets, $25,000; liabilities, $8000.

Elizabeth, N. J.—Leonard B. Nassman, dealer in Hardware, has assigned. Liabilities, $20,000.

Hardy, Ark.—N. K. Williams, Hardware dealer, has assigned.

Jefferson, Tex.—T. L. Torrains, Hardware dealer, has assigned for $40,000.

Knoxville, Tenn.—L. Haney, Hardware dealer, has assigned. Liabilities, $7477.72; Assets, $5000.

Moravia, N. Y.—E. C. Pulver, Hardware dealer, has assigned.

Oswego, N. Y.—T. K. Tifft & Co., Hardware dealers, have assigned.

Redfield, S. Dak.—G. F. Johnson & Co., dealers in Hardware, have assigned to Farwell, Ozmun, Kirk & Co.

Burglaries in Hardware Stores.

Beatrice, Neb.—Barber & Myers, $50.

Beaumont, Tex.—E. L. Wilson, cutlery.

Carlisle, Ind.—Bensinger & Co., $200.

Chagrin Falls, Ohio.—Baer & Rehberg, revolvers.

Charlotte, Iowa.—K. P. Gohlman, $1000.

Danville, Ill.—Yeoman & Shedd, revolvers.

Deshler, Ohio.—John Gribbell, $25.

Flint, Mich.—Algoe & Miller, $100.

Fonda, N. Y.—Olcott & Husted, cutlery.

Indianapolis, Ind.—Robert L. Walden, revolvers.

Inman, Kan.—A. J. Meyer, $25.

Larue, Ohio.—Miles Longshore, $150.

Minier, Ill.—J. M. Hart, $300.

New Lisbon, Wis.—John Giel & Son, cutlery.

Oakland, Cal.—Mark Everson, cutlery.

Plymouth, Ohio.—Nimmons & Nimmons, cutlery.

Wilmington, N. C.—J. W. Murchison, revolvers.

Winslow, Ill.—Reck Bros., revolvers.

Fires in Hardware Stores.

Anita, Iowa.—W. G. King & Co., Hardware, totally destroyed by fire. Loss, $11,000, partially covered by insurance.

Canaseraga, N. Y.—G. H. Hawley, Hardware, damaged by fire. Insured.

Canaseraga, N. Y.—Shear & Montgomery, Hardware, damaged by fire to the extent of $4000. Insurance, $2800.

Dwight, Ill.—Buck's Hardware store destroyed by fire.

Gainesville, Fla.—E. Baird & Co., Hardware, warehouse and contents destroyed by fire. Loss, $5000.

Kalamazoo, Mich.—The Hardware stock of J. Van Male has been damaged by fire.

Santa Fe, N. Mex.—E. D. Franz, Hardware, reported burnt out. Insurance, $29,300.

West Side, Pa.—Johns Bros., Hardware, stock destroyed by fire. Loss, $4000; partially insured.

Wonewoc, Wis.—C. F. Bohan's Hardware store damaged by fire.

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IF YOU CAN GET

One of our bicycles, any pattern, from our customers, or can find

A NEW CLIPPER

In stock anywhere for sale, you won't be sorry that you bought it. If any dealer offers you one at a cut price

YOU'D BETTER TAKE IT.

We can't make enough of 'em; we've delivered a lot, and they are NOT coming back. They bring better prices in trade than others. Another year we may be able to make all the bicycles our friends want.

Bicycles Built for Business.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

GEARS

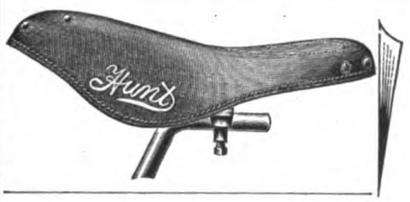
Any size or style. Send for Catalogue.
Special Discount to the Hardware Trade.

BOSTON GEAR WORKS
42 Hartford Street,
(FRANK BURGESS, PROPRIETOR.) Boston, Mass.

The Liberty | **America's Representative Bicycles.**

Our line for 1895 is unexcelled. We solicit coroespondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,
4 WARREN STREET, NEW YORK.



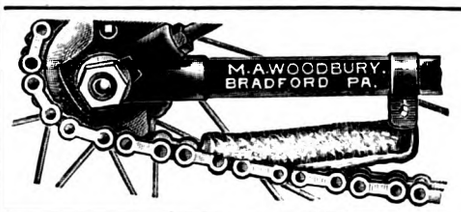
Request that

Hunt Saddles

Be used on all Wheels ordered for your '95 trade, as they are popular and durable. Write for information. . . . . .

HUNT MANUFACTURING CO.,
Westboro, Mass.

R. B. McMULLEN & CO.,
Chicago, Ill. and New York.



WOODBURY'S
Automatic Dry Chain Lubricator and Duster for Bicycles
—HAS NO EQUAL.—
Weight, ½ oz. Price, 25 cents.

COPPER RIVETS & BURS.

PRICES NO HIGHER. PROMPT SHIPMENTS.

CLENDENIN BROS., - - BALTIMORE, MD.

Keating

"365 DAYS AHEAD OF THEM ALL."
17 to 23 Pounds
SEE THAT CURVE
CATALOGUE FREE
FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The C. F. Guyon Co., No. 99 Reade Street, New Yor the Eastern branch of the Monarch Cycle Co., are preparing to remove into new quarters, which front on both Reade and Chambers Streets, No. 79 on the former and No. 97 on the latter. The new establishment will give increased shelf room, and there is also a fine sub-cellar, which can be utilized for the storage of wheels. The Chambers Street end of the store will be used for the bicycle business, while the Hardware trade will be conducted in the Reade Street end.

An important branch of the scissor trade is the large shears used by tailors for cutting out. It is somewhat remarkable that the Americans are almost completely commanding this market. Of course, there are several who prefer the Sheffield-made shear, but in nearly all the large tailoring establishments which an observant man visits he will find that the American-made shear is in use.—*Engineer, London, Eng.*

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are **$75.00 $60.00 $50.00 $40.00**

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.
Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Aurora, Ill.—The Aurora Automatic Machine Co., incorporated by Charles Erickson and T. H. Ball, of Aurora, and Simond Flershein, of Chicago, to manufacture bicycle specialties, sewing machines, etc.

Baltimore, Md. — The Excelsior Target Co., incorporated by Hallock A. Penrose, Thomas McGuinness, Henry Kiedel, Walter T. Harvey, John McPhail and others, to manufacture sportsmen's supplies. Capital stock, $100,000.

Bayonne, N. J.—Eagle Bicycle Mfg. Co., branch salesroom opened at No. 726 Avenue B. Mr. Hammond, a traveling salesman of the company, has been made resident manager.

Bardstown, Ky.—W. B. Grigsby & Co., implements, etc., will take up bicycles.

Bozeman, Mont.—Harry McCoy, Hardware, bicycles, etc., has opened a new store.

Brooklyn, N. Y.—Charles C. King & Co., bicycles, have opened new store at Ninth Avenue and Fifteenth Street, handling the 1895 Hartford and Columbia wheels.

Brooklyn, N. Y.—H. & D. Folsom Arms Co., No. 314 Broadway, New York, bicycles, firearms, etc., will open branch salesroom at No. 1201 Bedford Avenue, near Halsey Street. John Biffer will be manager. Bicycle sundries will be carried, together with the Monarch bicycles, the Dictator and the Zeppa.

Brooklyn, N. Y. — The Hamilton Cycle Co. have opened new salesrooms at No. 22 Hamilton Avenue, with L. C. Johnson as resident manager. The company will carry a general stock of bicycles and bicycle sundries, and will make a specialty of storing bicycles, without charge to owners.

Brownsville, Tenn.—T. B. King, Hardware, etc., will add bicycle department, and is securing information regarding prices, etc.

Carlisle, Ky.—R. C. King, Hardware, etc., will add a bicycle department.

Chatham, N. Y. — Wm. W. Grey, new Hardware store opened, and correspondence invited with manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Chicago, Ill.—The Jenkins Cycle Co., incorporated by Shea Smith, George H. Jenkins and Charles E. Jenkins. Capital stock, $75,000. The two first named are of the firm of Shea Smith & Co., wholesale stationers. Mr. Jenkins was formerly manager of E. D. Preston & Co.'s bicycle department. The new company will manufacture two grades of wheels, under the name of "Napoleon," to be sold at $100 and $125. Charles Jenkins will manage the business, and the wheels will be ready for delivery by April 15th.

Chillicothe, Ohio. — N. Purdum & Co., Hardware, will add a bicycle department.

Cordele, Ga.—Cody & King, Hardware, etc., are looking into the advisability of adding a bicycle department.

Dansville, N. Y.—W. H. Dick has commenced the manufacture of bicycles.

Decorah, Iowa.—Bidney & Istad, Hardware, bicycles, etc., have opened a new store.

DeLand, Fla.—Watts Bros., Hardware and furniture, preparing to open a bicycle department.

Elkhart, Ind.—The Lieb Cycle Guard Co., incorporated, with J. J. Newman, president; Eber Darling, treasurer, and Julius D. Woods, secretary, to manufacture a patent cycle chain guard. Capital stock, $10,000.

Hartford, Conn.—Hartford Machine Screw Co., manufacturers of bicycle parts, have recently fitted up an entire plant for turning out 100 complete bicycles daily. They are running twenty-four hours daily, and report increased activity in their lines.

Holly Springs, Miss.—Wall & Jones, Hardware, new store opened. Will add bicycles.

Kingston, N. Y.—C. F. Winkler has opened a bicycle exchange at No. 729 Broadway. He will conduct a bicycle repair department.

Murphy, N. C.—Wood & Gregg, Hardware, etc., are preparing to take up bicycles.

New York, N. Y.—E. J. O'Connor, whose present address is Park Avenue Hotel, is endeavoring to organize a company, or to effect a partnership, for the purpose of manufacturing a bicycle invented by himself, and for which a patent was issued May 1, 1894, the number of the patent being 519,024.

Newton, N. C.—Newton Hardware Co. will add a bicycle department, if a good light weight wheel that would give satisfaction, can be secured.

Lynn, Mass.—Achorn & Deacon, bicycle manufacturers and dealers, open a new store at Nos. 2 and 4 Boscobel block. The firm is composed of Willard S. Achorn and Samuel Deacon. They handle the Stearns wheel, also the Victor, Fowler, Phœnix and other leading makes. During their opening evening three thousand people are said to have visited their store.

Oklahoma City, Okla.—The C. W. McQuown Commission Co., No. 16 Robinson Street, has opened a bicycle department.

Paducah, Ky.—Lawson & Co., bicycles, new store opened on South Fourth Street. The new firm will handle the Stearns, Telegram, Zimmy, Shirk and National.

Suffern, N. Y.—Charles H. Hansen, bicycles, will open new store in the Traphagen building.

Superior, Wis.—Dodge & Pearson, of Duluth, sporting goods, bicycles, etc., opening a new store at No. 1123 Tower Avenue.

Tampa, Fla.—C. C. Woodruff and W. C. Aldridge, new firm, sporting goods, bicycles, opened new store.

Thompsonville, Conn.—S. A. Grant is organizing a company, to manufacture an improved bicycle patented by him.

Washington, D. C.—Cline Bros, No. 909 Pennsylvania Avenue, bicycles, have added a sporting goods department.

West Point, Miss.—J. D. Wise, bicycles, commenced business, accepting an agency for the Syracuse.

Changes and Removals.

Berryville, Ark. — W. R. Hamilton, bicycles, etc., has been succeeded by W. R. Hamilton & Co.

Chicago, Ill.—The Kenwood Mfg. Co. have changed name to the Kenwood Bicycle Co., more in keeping with the business of the concern.

Estherville, Iowa.—A. O. Peterson, Hardware, sporting goods, etc., has been succeeded by Edward Hall.

Fitchburg, Mass.—A. B. Lawrence & Co., Hardware, etc., succeeded by Lawrence Sons & Co., who will open a bicycle department.

Galveston, Tex. — The Galveston Cycle Co. have succeeded to the bicycle business of Labadie Bros.

New Berne, N. C.—W. T. Hill, bicycles, moving into larger quarters.

Owensboro, Ky. — Wimp & Corley, bicycles, E. L. Wimp retired from the firm, selling out to J. C. Gilbert, of St. Johns, Mich. The new firm will be known as Gilbert & Corley. They will handle the Czar and Triangle, Monarch and Shirk.

New Goods and Improvements.

Middletown, Conn, — W. & B. Douglas are placing on the market an improved pneumatic pump.

Sycamore, Ill.—Russell Varnish & Color Co. are putting on the market an improved black enamel for bicycles.

Correspondence Solicited.

Auburn, Ala.—John W. Harris, Hardware, etc., solicits correspondence with the manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Birmingham, Ala.—The Perry Hardware Co., incorporated with H. W. Perry, president; Charles J. Perry, vice-president and general manager, and Samuel Perry, Jr., secretary and treasurer. Capital stock, $30,000. Considering advisability of taking up bicycles. Correspondence with manufacturers invited. This company succeeds to the stock and business of the Francis-Chenowith Hardware Co. The business will be considerably enlarged.

Clarksville, Ark.—W. V. Hamilton, Hardware, will add bicycles. Correspondence with manufacturers solicited.

Crisfield, Md.—George W. Long & Co., Hardware, etc., invite correspondence with manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Douglassville, Ga.—Selman & Duke, jewelry and drugs, at No. 8 Broad Street, will add bicycles. Correspondence with manufacturers of wheels and sundries solicited.

Eatonton, Ga.—Hearn & Greene, Hardware, etc., invite correspondence with manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Miscellaneous.

Chicago, Ill.—The Chicago Tire & Spring Co., whose works are at Melrose, have commenced operating their plant, with a double turn.

Owensboro, Ky.—Hill & Steitler, bicycles, department placed in charge of H. L. Bowles. The Eclipse and the Essex are carried. Bicycle accessories have been added.

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Waverley BICYCLES.

Are warranted superior to any other Bicycle built in the World, regardless of price.
High Frame, Wood Rim, Detachable Tire, Scorcher, weight, 22 lbs., $85 Ladies' Drop Frame, same weights and Tires, $75.

A GOOD AGENT WANTED in every Town. A splendid business awaits the right man. Get our Hardware Dealers Catalogue. Free by mail.

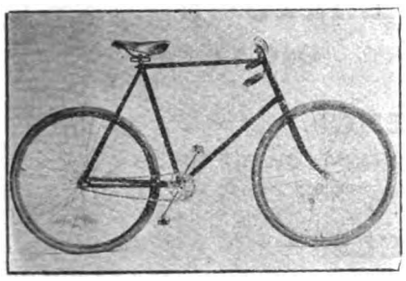
INDIANA BICYCLE COMPANY, - Indianapolis, Ind.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.
INDISPENSABLE TO WHEELMEN.
Prices: for No. 1½, 75 cts.; No. 1, $1; No. 48, $1.25; No. 4d. $1.50, etc.
Send for Catalogue.
C H. LAMSON, Portland, Me.

IMPROVED
Tack, Shoe and Wire Nail
MACHINERY,
KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS.



Eclipse Special.

WESTERN AGENTS:
SIMMONS HDW. CO.
ST. LOUIS, MO.

Hardware Dealers

Just Ask Us For
Catalogue and Quotations.

WE WILL DO THE REST.

ECLIPSE CYCLES "They Stand the Test."

ECLIPSE BICYCLE CO.,

Indianapolis, Ind. — BEAVER FALLS, PA. — Hamilton, Canada.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.
Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

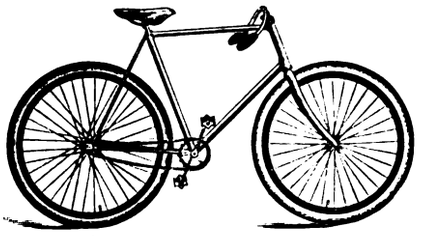
SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles. Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs, 225 G St., Peoria, Ill.

A BICYCLE MADE FROM ALUMINUM

is better than one made from STEEL



Two years' service has PROVEN this.

IT LOOKS BETTER.
RIDES BETTER.
WEARS BETTER.
COASTS BETTER.
SELLS BETTER.

Mr. Dealer, if you handle bicycles you want to make the business pay.

The Lu-mi-num is the one that sells and stays sold. Write to us; we want your acquaintance at least.

Incorporated 1873. St. L. R. & W. G. Co.,
Capital, $500,000.00 St. Louis, Mo.

It may be possible to do advertising from which you will never see any results. It is certain that you will never get results from the advertising that you do not do. : : : :

Trying to do business without advertising is like winking at a pretty girl through a pair of green goggles. You may know what you are doing, but nobody else does. : : : :

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HAVE YOU SECURED YOUR AGENCY FOR 1895?

IF YOU INTEND SELLING A HIGH GRADE WHEEL

The Monarch

DON'T TAKE AN AGENCY FOR AN UNKNOWN BICYCLE.

In every State from Maine to California
IS THE SYNONYM FOR EXCELLENCE
And is acknowledged by all to be
The Most Perfect Wheel in the World.

MADE IN FIVE PERFECT MODELS.

WEIGHTS, 18 to 25 POUNDS. PRICES, $85 and $100.

IF YOU WILL ONLY EXAMINE "THE MONARCH"
YOU WILL TAKE THE AGENCY FOR NO OTHER WHEEL.

EASTERN BRANCH:
99 Reade St., N. Y.

MONARCH CYCLE CO., C. F. GUYON CO., Ltd. Managers.

Shrewd Hardware Dealers . . . .

KNOW THE VALUE OF FINE STEEL OVER INFERIOR GRADES. . . . . .

THE FRAMES OF

HELICAL TUBE PREMIERS

Are made of finer steel than can be used in any other bicycl resulting in lighter wheels combined with greater strengt We are placing agencies with responsible parties only, and there is no "Premier" agency in your town it will pay you write us for catalogues and terms.

PREMIER CYCLE MANUFACTURING CO.,

34, 36 & 38 Watts Street, New York

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Putnam Nails Tell the Truth

Remember the Word
"Putnam."

For the last Thirty Years
They have Stood The Test.

Every one knows that a nail drawn to a point while hot under hammers, is far superior to cold rolled and sheared nails. Even our esteemed competitors are seeking to conjure with the word ***PUTNAM***, and are assisting us by their recent advertisements to more fully impress it upon the public mind.



Does any one suppose that ***Gen. ISRAEL PUTNAM, of Revolutionary fame,*** under any consideration, in old age, would have gone back on his life work and proclaimed that George III. ***was as good a man*** as the immortal Washington?

If he had been in great ***pecuniary*** distress and his mind had become ***enfeebled*** by disease, he might have done so. If he had, would you have believed it?

Remember the word when you are going to have your horse shod—

PUTNAM.

Cold Rolled and Sheared Nails are dangerous. They are liable to split in driving, thus ☞



THE PUTNAM FACTORIES ARE THE LARGEST.
ITS CAPACITY FOR PRODUCTION THE GREATEST.

The value of its Real Estate and Plant alone being three times that of any other concern in similar business.

FOR CIRCULARS ADDRESS

Putnam Nail Company,

NEPONSET, BOSTON, MASS. (OVER.)

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REAL MERIT versus CERTIFICATE MERIT.

It is said that the flowers cast at the feet of a new star on the theatrical stage are sometimes paid for by the management.

The audience, however, is not often thus deceived, as true merit finally reaps its reward.

Character should stand behind a certificate in order for it to have a lasting effect.

Mr. S. S. Putnam sold out his entire interest and good will in the Horse Shoe Nail business to the Putnam Nail Co. in 1878.

In the sale of his good will, on record at the Patent Office at Washington, D. C., Liber W. 24, page 107, the following clause appears:—

> "And I, the said Silas S. Putnam, for the consideration aforesaid do also hereby further covenant and agree to and with the said Putnam Nail Company, that I will not at any time (during the period of fifty years from the date of these presents) in any manner directly or indirectly engage in or have any concern with the business of manufacturing horse shoe nails, in competition with the said Putnam Nail Company, or in any way aid or promote any competing or rival manufacture or business, or suffer my name to be in any way used in connection with said business or manufacture except by said Putnam Nail Company; and that I will in all ways in my power aid, countenance and promote the said business of the said Putnam Nail Company." * * * (Signed)
>
> SILAS S. PUTNAM. { SEAL. }

Here follows a sworn acknowledgment by Silas S. Putnam before a Justice of the Peace.

Notwithstanding this, he has almost constantly since been engaged in an effort to produce machines by the Hot Forging process, and so far as we know they have not been a success. And now, after a life time of work on Hot Forging machines, he makes a certificate endorsing a cold rolled and sheared nail.

It is said that "Actions speak louder than words." We are satisfied to leave the question with the public, believing that the general intelligence of the community will be our sure protection against this or any similar attack by others, to prosper on the great reputation of the Putnam Nail.

Scarcely a week passes but that we have people report to us of the injury done to their horses through the use of cold rolled and sheared nails. This very week a man reported that he had extracted a split nail from his horse's foot and that he was obliged to have the foot poulticed for two weeks. He said to us, "You may be sure that I now stand over a blacksmith and see to it that the nail he drives has not the sheared edges near the point."

The Putnam Nail stands for truth and its character is established and no rival is now in sight, nor can there be, till they are produced by the same method. We say the nail speaks the truth because it shows for itself whether it is hammer pointed or sheared at the point.

Some of our competitors conjure with the words of our ad., "Hot Forged and Hammer Pointed," and some with the name "Putnam."

The nail cannot lie, and if it is a Putnam there are no sheared edges, and to be strong, reliable and sure, they must be Hot Forged and Hammer Pointed.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

[OVER.]

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Ausable Horse Nails

SPEAK FOR THEMSELVES.

WE ARE NOT COMPELLED

TO DISPARAGE

OTHER BRANDS

TO BOOM OUR OWN

AND

HAVE NEVER DONE SO.

AUSABLE HORSE NAIL CO.,

10 Murray Street, New York

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AUSABLE HORSE NAIL CO.,

(ESTABLISHED 1861.)

THE ORIGINATORS OF

HOT FORGED AND HAMMER POINTED

HORSE NAILS.

THE LEADING BRAND FOR 35 YEARS.

FAC-SIMILE of AUSABLE BOX and BRAND. No Horse Nails Genuine Ausable without this







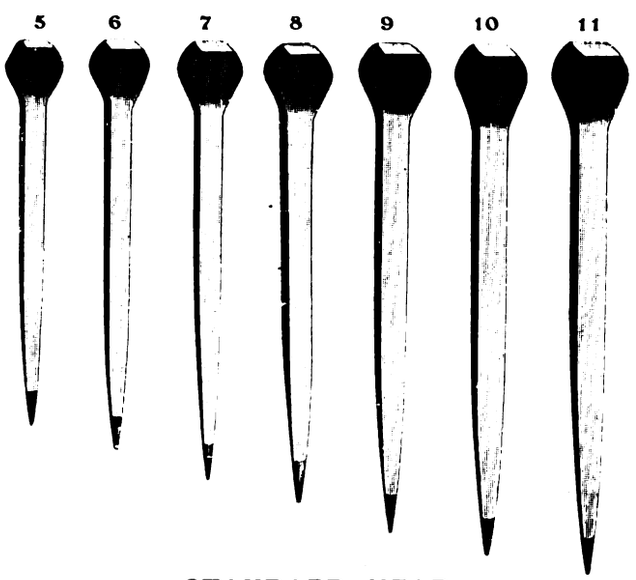
On each Box.

N. B.—Genuine AUSABLE HORSE NAILS

are packed in boxes bearing their

FULL NAME

and Trade Mark as shown above.



STANDARD HEAD.

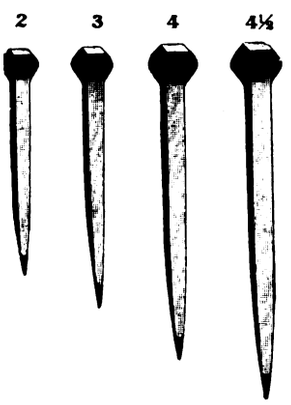


PLATE NAILS



LIGHT OR CITY HEAD.

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BICYCLE LAMPS AT POPULAR PRICES.



Circle.—Glass, 2¼ inch; Oil capacity, 9 hours; Self-adjusting Socket; Rubber Joints; Detachable Oil Tanks. Weight, 8½ oz. **Price, Enameled, $1.00.**



Cyclight.—No. 57, L. Lens, 2¼ in., Enameled. **Price, $1.60.**
No. 57, Plain Glass, 2¼ in., Enameled. **Price, $1.10.**
Wick, ¼ in.; Oil capacity, 7 hours; Weight, 12 oz.



Jupiter.—No. 57. D. Lens, 2¼ inches, Enameled. **Price, $2.00.**
Wick, ¼ inch; Oil capacity, 9 hours; Weight, 12 oz.

The Mito at $3.00; Bell Rock, No. 0, at $4.00; Bell Rock, No. 43, at $5.00, and Lito, at $6.00, complete the line. They are made by H. MILLER & CO., of England, who are the largest cycle lamp makers in the world. Send for special lamp catalogue.

A. M. SCHEFFEY & CO., - Sole U. S. Agents, - 92 Reade Street, New York.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

First Annual Sportsmen's Exposition

(INCORPORATED.)

Madison Square Garden, New York City,

May 18th to May 18th, 1895.

Under the Auspices of the Sportsmen's Association. CHARLES TATHAM, President.

BOARD OF TRUSTEES: CHARLES TATHAM, J. VON LENGERKE, J. A. H. DRESSEL, CHARLES DALY, JACOB H. STUDER, P. J. SANFORD, FREDERIC S. WEBSTER, JOHN S. WISE, ARCHIBALD ROGERS.

A MAGNIFICENT display of every thing appertaining to sports, including mounted and living specimens of North American game animals, realistic cycloramic groups of camp life and hunting scenes, log cabins and hunters' camps, showing the life of the sportsman. Also valuable paintings, books, etc.

LIST OF EXHIBITORS.

E. I. Dupont & Co.,
Union Hardware Co.,
U. S. Cartridge Co.,
Gas Engine & Power Co.,
Cleveland Target Co.,
Schoverling, Daly & Gales,
Colt's Firearms Co.,
Hermann Boker & Co.,
I. Johnson's A. & C. Works,
Wiebusch & Hilger, Limited,
G. O. Shields, "Recreation,"
Tatham Brothers,
Hunter Arms Co.,
Forest and Stream,
Winchester Arms Co.,
Von Lengerke & Detmold,
American Field,
C. G. Gunther's Sons,
Maine C. R. R. Co.,
Union Metallic Cartridge Co.,
William Lyman,
Lefever Arms Co.,
Cushman & Denison,
Excelsior Target Co.,
Heublien Bros.,
Bridgeport Gun Implement Co.,
Shooting and Fishing,
Remington Arms Co.,
Spratt's Patent,
A. G. Spalding & Bro.,
Hardware Publishing Co.,
Hazard Powder Co.,
Parker Bros. & Co.,
Thomas W. Fraine,
Sporting Goods Dealer,
The Webster Studio,
Overman Wheel Co.,
Smith & Wesson Revolver Co.,
Outing Publishing Co.,
Marlin Fire Arms Co.,
George Barnard,
Peck & Snyder,
Lamb Mfg. Co.,
St. Lawrence Boat Co.,
A. J. Reach Co.,
Wright & Ditson,
Forehand Arms Co.,
S. L. Crosby,
Studer's Birds of North America
Natural Science Ass'n,
Leroy Shot & Lead Works,
Barney & Berry Skate Co.,
Iron Age,
Chemical Lubricating Oil Co.,

For information regarding special railroad rates, and rental of spaces, address

FREDERIC S. WEBSTER, Secretary,
106 East 23d Street.

FRANK W. SANGER, Manager,
Madison Square Garden.

SPECIAL NOTICE.—The management requests secretaries of Gunning, Shooting, Fishing, Yachting, Rowing, Curling, Golf, Tennis, Archery, and all out door clubs, to send the list of officers and number of members to Frank W. Sanger, Manager, Madison Square Garden.

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CYCLOMETERS.

AMERICAN INDICATOR CO.,

LAWRENCE, MASS.

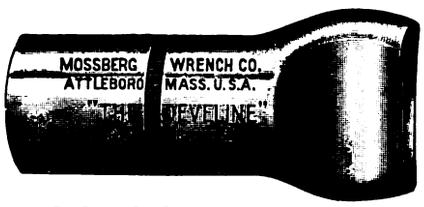
No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.

Descriptive circulars on request.

"THE BOTTOM KNOCKED OUT."



WE ARE SELLING AGENTS FOR THE

ORIGINAL DEVELINE WHISTLE,

MADE BY THE

MOSSBERG WRENCH CO., which we can now offer at the low price of

$9.00 per Gross, Net Cash.
85c. per doz. in less than gross lots.

The Strobel & Wilken Co.,

501 Broadway, New York.

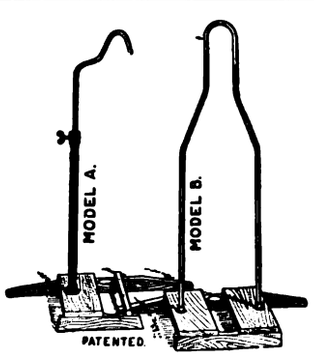
Send for Catalogue of Sporting Goods, Hammocks and Spring Novelties

—THE—

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM,
CLUB HOUSE OR HOME.

—Price, $1.00 Each.—

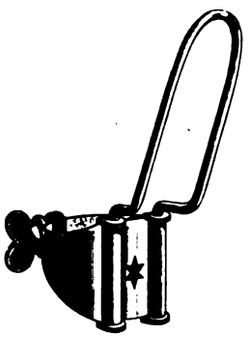
FOR SALE BY LEADING BICYCLE DEALERS.

—Manufactured by—

Wm. M. Justice & Co.

PITTSBURG, PA.

Liberal Discount to the Trade.



WE NEVER IMITATE.

OUR IDEAS OF BICYCLE SUNDRIES are ORIGINAL.

WE CALL YOUR SPECIAL ATTENTION TO OUR

NEW STAR LAMP BRACKETS, CHAMOIS LINED, NICKEL PLATED.

Easiest adjusting Lamp Bracket, and will not mar the frame of bicycle. The loop is made of steel wire with spring steel collar, which is chamois lined, and has adjustable thumb screw.

Weights of Head or Handle Bar Bracket, 1½ ounces.
Weights of Fork Bracket, 2 ounces.

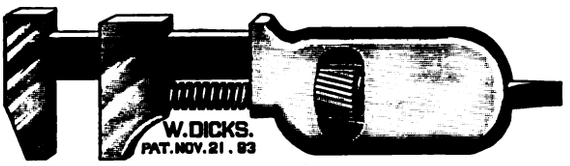
Cut of Fork Lamp Bracket will appear in next issue of this paper.

Star Lamp Brackets, No. 1, for handle bar
Star Lamp Brackets, No. 2, for 1⅛ in. head,
Star Lamp Brackets, No. 3, for 1¼ in. head,
Star Lamp Brackets, No. 4, for front fork,
} 50 Cents Each.

Send for complete catalogue of Bridgeport Cyclometers, Lamp Brackets, etc. Sold by all dealers.

The Bridgeport Gun Implement Co., - 313½ Broadway, New York.

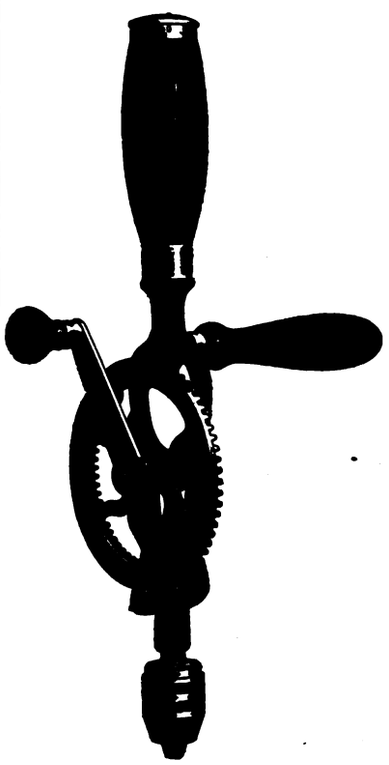
Housekeepers like this tool
Cycle riders want it. It is SO handy



—We are Making Special Price to Hardware Dealers.—

Spaulding Machine Screw Co. Buffalo, N. Y.

GOODELL HAND AND BREAST DRILLS



HAVE NO EQUAE



Send for Circular to

H. H. MAYHEW COMPANY,

SHELBURNE FALLS, MASS., U. S. A.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c, Sheet Metal Punching and Nickel-Plating.



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When selecting a bicycle to represent during the coming season, consider ultimate results.

The "DORSETT" is here to stay. It represents every feature of the best wheels on the market with added points of novelty and merit that are bound to make it a "seller."

Interchangeable methods of cycle propulsion presented in the simplest and most efficient mechanical constructions, and perfectly independent of one another.

With the principles exhibited in a practical manner, and construction "special" in every part, the "DORSETT" represents the highest perfection in the art of bicycle making.

Send for catalogue which tells you all about details.

CYCLONE COMBINATION CYCLE CO., 309 BROADWAY, N. Y.

CRESCENT BICYCLES

HIGHEST GRADE — LOWEST PRICES



Crescent No. 1, $75.

$75 NO. 1 (FOR MEN). 28 in. Wheels. 23 lbs.
NO. 4 (FOR LADIES). 26 in. Wheels, 22 lbs.

The most salable line of wheels on the market. All sizes, all prices.

$50 NO. 2 (FOR YOUTHS). 26 in Wheels, 21½ lbs.
NO. 5 (FOR MISSES.) 26 in. Wheels, 24 lbs.

MONEY CANNOT BUY BETTER WHEELS.

$40 NO. 3 (FOR BOYS). 24 in. Wheels, 21 lbs.
NO. 6 (FOR GIRLS). 24 in. Wheels, 22 lbs.

Reliable Agents wanted where we are not now represented. Catalogue Free.

Factory, Chicago, Ill. **WESTERN WHEEL WORKS,** Eastern Branch, 35 Barclay St., N. Y

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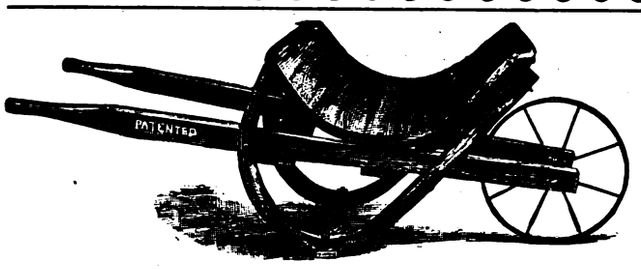
WITHOUT CHARGE TO ANY ONE WHO CAN SHOW AS GOOD AND SATISFACTORY A LINE OF LAWN MOWERS AS OUR

PENNSYLVANIA,
NEW QUAKER CITY,
RAPID TRANSIT,
CONTINENTAL,
GREAT AMERICAN,
NEW DEPARTURE,

BUT IT CAN'T BE DONE.

ALL LIVE DEALERS SELL THEM.

Supplee Hardware Co., Philadelphia.



Wheelbarrows

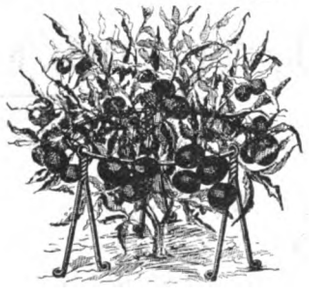
of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

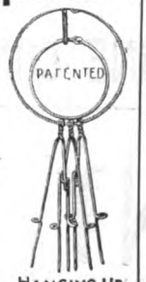
"Self-Closing" Tomato Vine Supports.



Cost little to get.
Nothing to keep.
Take little space for storage.
Prevent the tomato from rotting.
Allow it to ripen evenly.
Add to the appearance of the garden.

Write us for Prices and Catalogue.

We have other styles.



HANGING UP

IN USE

LEWIS MFG. CO., UTICA, N. Y.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

NEW YORK AGENTS FOR

CORTLAND SCREEN CO., UNION STEEL SCREW CO., EAGLE FILE CO.

WITHINGTON & COOLEY MFG. CO. Farming Tools sold for New York or factory shipments.

SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Largest stock in New York City, consisting of

O. Ames & Sons' Shovels, Spades and Scoops.

Utica Tool Co.'s Hoes and Rakes.

Knapp & Pratt Mfg. Co.'s Malleable Iron Rakes.

Chadborn & Coldwell Mfg. Co.'s Lawn Mowers.

David Wadsworth & Sons' Scythes, Grass Hooks, Wooden Rakes, Scythe Snaths, Scythe Stones, &c., &c., &c.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

SHOE NAIL TACK & NAILS MACHINES.

LATEST IMPROVEMENTS.

WM. A. SWEETSER,

41 Montello St., Brockton, Mass.

ORMONDS RHEUMATIC REMEDY

CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Product it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Address

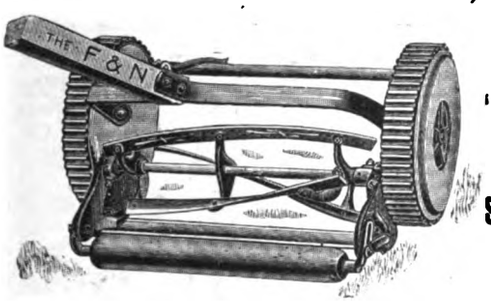
ORMONDS M. C. CO.,

51 Dey Street, New York City,

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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cuttor-Bar, Phosphor-Bronze Bearings, Miorometer Adjustmeut.

Best material, Highest class workmanship, and sold on their merits.

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Woodrough, Mansfield & Co, Boston. Mass.

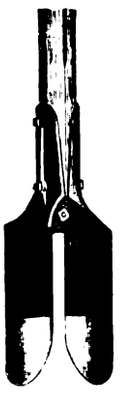
OUR LINE OF

Post-Hole Diggers

Comprises (6) of the **Best known styles** on the market.

PRICES GREATLY REDUCED.

LAWN RAKES.
GARDEN RAKES.
GARDEN WEEDERS.
POST HOLE DIGGERS.
LAWN SPRINKLERS.
CURRY COMBS.
CAN OPENERS.



GIBBS MFG. CO.,
Canton, Ohio, U S. A.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.



EXCEL IN THE MANUFACTURE OF

GARDEN RAKES

AND ALL KINDS OF

FORKS.

SPECIAL ATTENTION GIVEN TO LARGE FORKS,

COKE, COAL, ORE, STONE, CINDER, COTTON SEED & VEGETABLE FORKS.

ASK FOR THEIR

DIAMOND FORKS & RAKES.

DON'T

Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

Line for 1895.

List Now Ready. Send for it.

SPRINGFIELD, MASS.

A GREAT LEADER for you is WORTHLY'S PATENT **"SLOW FEED,"** **$1.60, 25-lb. Manger.**

10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

SEND FOR OUR CIRCULAR ON
Lawn Mowers,
" Settees,
" Rakes,
" Sprinklers,
" Etc., Etc.

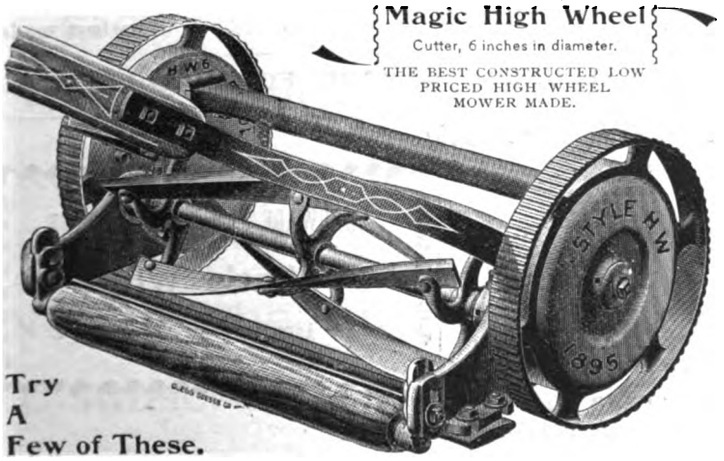
COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

These Lawn Mowers are as Good as Money Can Buy.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS

Magic High Wheel
Cutter, 6 inches in diameter.
THE BEST CONSTRUCTED LOW PRICED HIGH WHEEL MOWER MADE.



Try A Few of These.

WERE THE

OFFICIAL

MOWERS OF THE

Columbian Exposition.

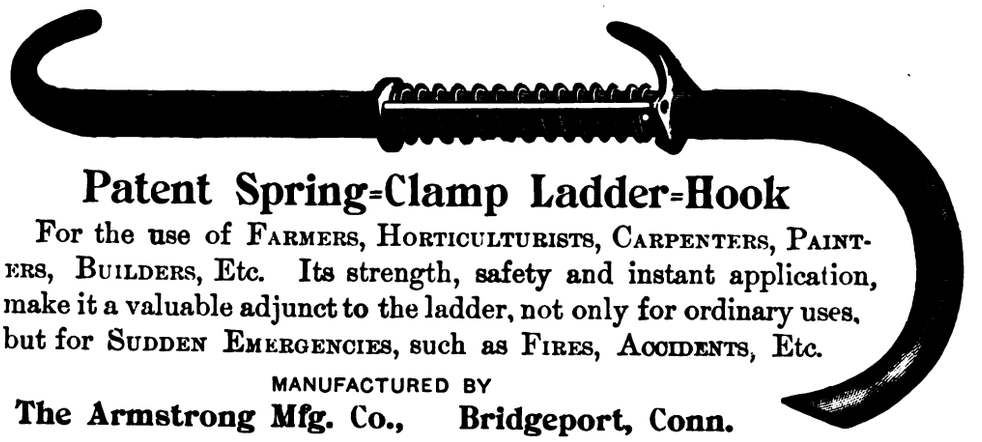
OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters from D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,
Richmond, Ind. U. S. A.

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Patent Spring-Clamp Ladder-Hook

For the use of Farmers, Horticulturists, Carpenters, Painters, Builders, Etc. Its strength, safety and instant application, make it a valuable adjunct to the ladder, not only for ordinary uses, but for Sudden Emergencies, such as Fires, Accidents, Etc.

MANUFACTURED BY

The Armstrong Mfg. Co., Bridgeport, Conn.



Every Machine Guaranteed to Give Satisfaction.

The BOSS and ELI...
WASHERS.

BIG MONEY TO LIVE DEALERS.

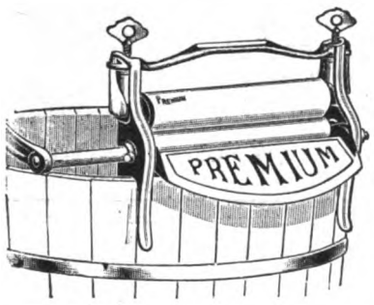
Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., **Cincinnati, O.**





There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,

Manufacturers. MONTPELIER, VT.

SURPLESS, DUNN & ALDER,

Direct Representatives,

15 Murray Street, NEW YORK.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

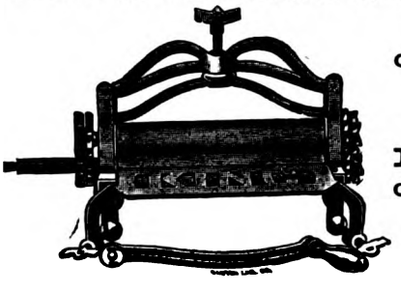
ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.



POSITIVE SECURITY

Against sneak thievery by the use of

Shepardson's Key-Hole and Baggage Guard.

Sample by mail 75 cents. Illustrated circular and price list sent on application.

KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

"HARDWARE" has a field of its own.

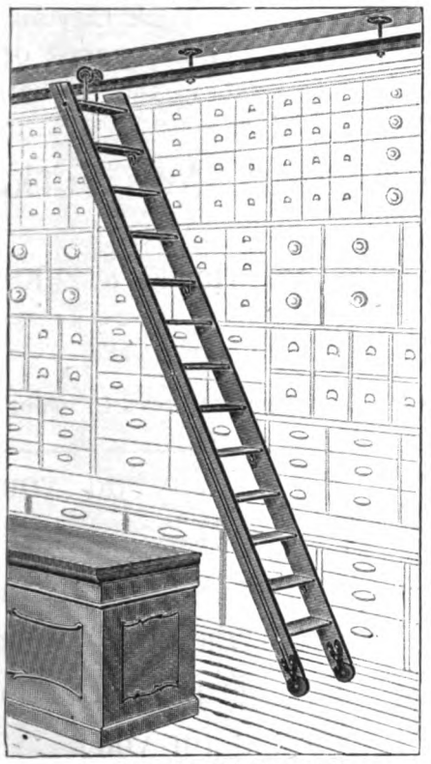
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Advertisers get results.

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The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

E. J. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity

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WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

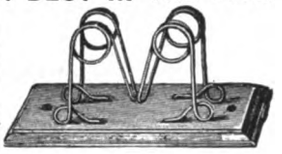
Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

TO KEEP A BROOM

Use the **COMMON SENSE BROOM HOLDER.** It keeps a broom dry, keeps it in shape, keeps it from rotting. **Holds a Broom either end up.**

BEST IN THE WORLD.



"WIRE HANGERS."

12 STYLES FOR
Ladies and Gents Garments.

WRITE FOR PRICES TO THE

BARBER-KOENIG MFG. CO.,
No. 115 North Vine St., Hazleton, Pa.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.

THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.

WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?
WE FURNISH COMPLETE OUTFITS.

THE HANSON & VAN WINKLE CO.,
CHICAGO NEWARK, N. J. NEW YORK



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To The Hardware and Cycle Trade:

We are offering the finest lines of the following goods in New York City and specially **commend them** to those who are **re-fitting their stores or establishing new ones. Our prices are the lowest** in the market, consistent with high quality goods. ∴ ∴ ∴ ∴ ∴



Empire Desk Co., 406 Broadway, New York.

— MANUFACTURERS OF —

ROLL-TOP DESKS, STORE STOOLS, CASHIERS' AND TYPEWRITERS' DESKS, FILING CASES, CHAIRS,
And the Largest Line of OFFICE FURNITURE in New York.

Office Partitions, Railings, Sample Tables, or any kind of Special Work to order.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,

Gouverneur, N. Y.
U. S. A.

'95 Catalogue Now Ready!



House Goods Supplies

ESTABLISHED 1867

Partrick & Carter Co.
Electrical Supplies
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

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No Disagreeable Odor. No Ashes Light and Heat in Abundance.



No. 327. No. 3 Lift Burner.
Height, 32¼ inches. Spread of Base, 12¼ inches. Nickel Finish.

THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps." THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION:

The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

A MOST IMPORTANT FEATURE.

☞ All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

MANUFACTURED BY

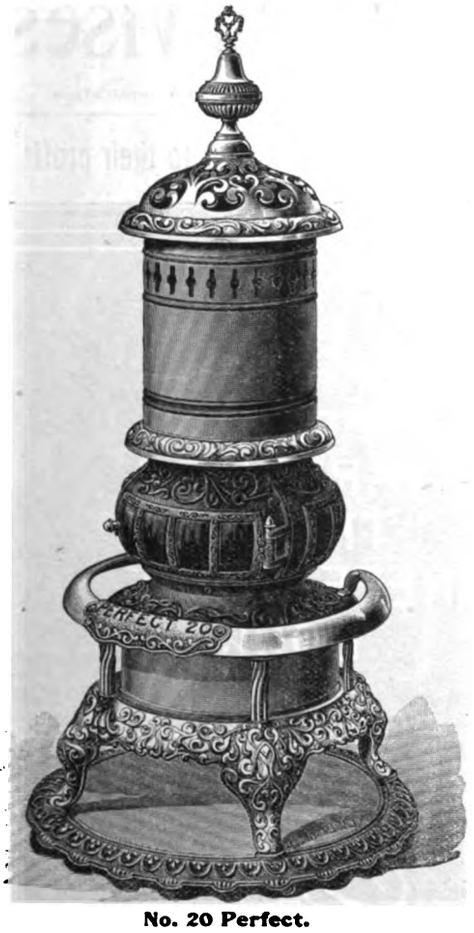
EDWARD MILLER & CO., MERIDEN, CONN., United States of America.

NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 63 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



No. 328. No. 3 Lift Burner.
Height, 32 inches. Spread of Feet, 11¾ inches. Russia Iron with Nickel Lamp and Trimmings.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

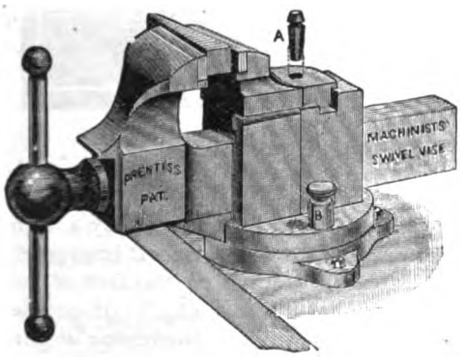
MANUFACTURED BY

J. H. CORT & SON,

41-51 Adams St, 138-154 Water St., **Brooklyn, N. Y.**



No. 12 Perfect.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long.



Weight, 3 ounces.

ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong all metal; nickel plated. Sells at sight. **Sample to Dealers, 50 cents.** Agencies given reliable houses. Write for prices in quantities.

Ferris Manufacturing Co.,
164 Washington St., CHICAGO, ILL.

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Our Latest is the Ormonde



And bears the 

Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

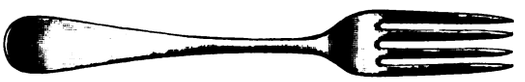
-- FACTORIES: --

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

Howard Iron Works,

BUFFALO, N. Y.

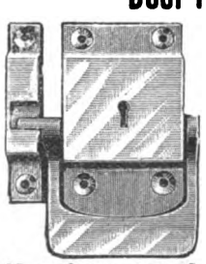
Manufacturers of

Bench Vises.

Price Lists sent on application.



The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



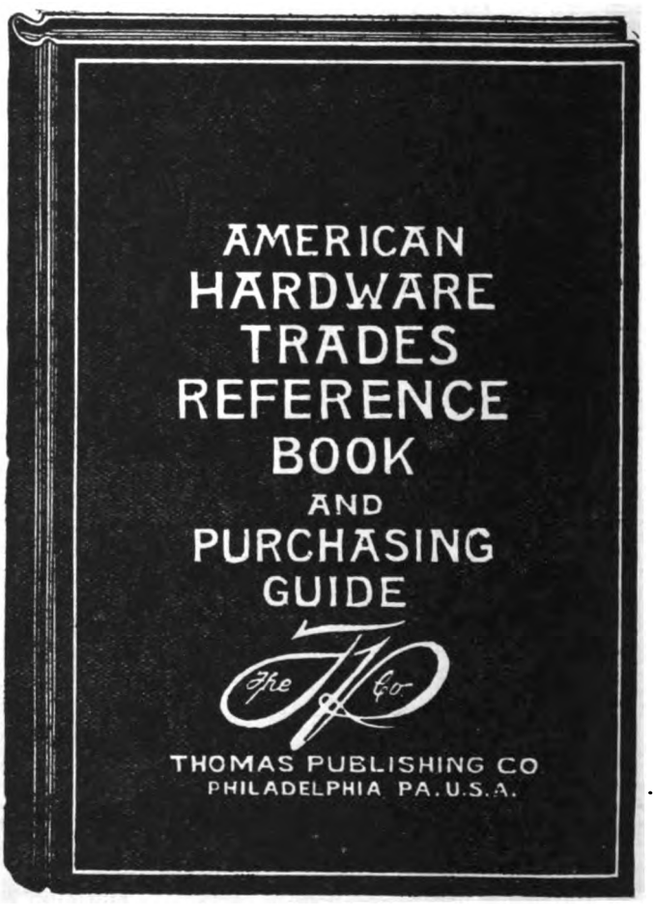
THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY

P. J. CONROY,
PHILADELPHIA PA.

Manufacturer of **Refrigerator and Ice House Fasteners Hinges and Faucets.**

Over 15,000 Dealers now use it to their profit.



Send for Circular.

A piece of gratuitous information is furnished by a sign on the side of a well known Hardware store. It is so palpably platitudinous as to cause a smile on the face of the beholder. It simply states that "Iron Sinks." Of course the meaning of the sign is obvious, but it is amusing at any rate.—*Lowell (Mass.), Citizen.*

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Cream Cans and Cream Can Trimmings.



Cream Cans

With Plain Covers.
With Deep Covers.
With Extra Deep Covers.
Self-Locking.

Fairmont Cream Can Gauges.



Cream Can Trimmings.

Cream Can Bottoms, IX, IXX, IXXX.
Cream Can Covers, Plain, Deep, Extra Deep.
Self-Locking Trimmings.
Ears, Lugs and Bails.

The Geuder & Paeschke Mfg. Co.,

MANUFACTURERS,
Milwaukee, Wisconsin.

NEW
GALVANIZED WATERING POTS.



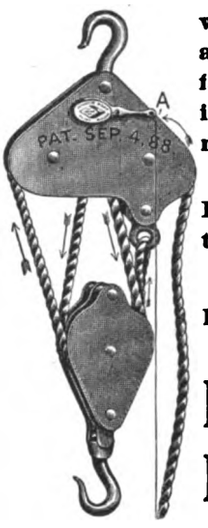
Improved Spouts. Deep Deflected Bottoms.
MADE OF GOOD MATERIAL.
Galvanized after being put together.
THE BEST LOOKING AND BEST MADE WATERING POT YET OFFERED.
MADE ONLY BY

MATTHAI, INGRAM & CO.

ALSO MANUFACTURERS OF A FULL LINE OF
Stamped, Pieced and Japanned Tinware, Mottled Enameled Ware, Galvanized Iron Ware, and Sheet Metal Goods.
Factory and Salesrooms, BALTIMORE, MD.
NEW YORK BRANCH Cliff Street.
CHICAGO: 237 Lake Street. G. M. Richardson in charge

THE

"Sure Grip" Steel Tackle Block



will hold load at any point without fastening the rope; it is the best on the market.

It pays Hardware Dealers to handle them.

Send for Catalogue.

ESTABLISHED 1852.

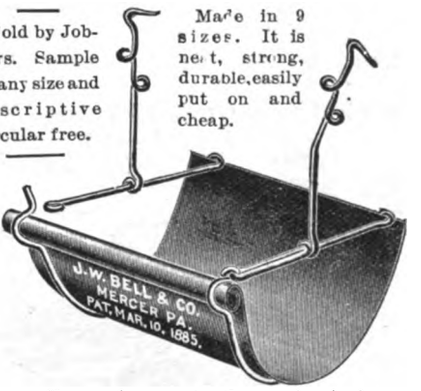
Fulton Iron & Engine Works

26 Brush Street, Detroit, Mich.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

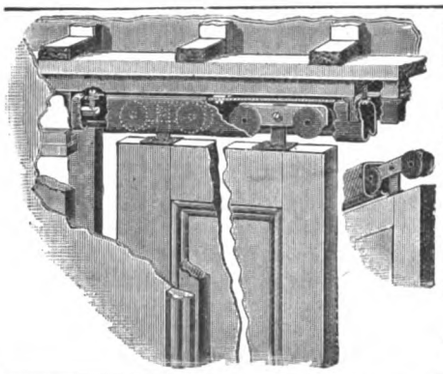
CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

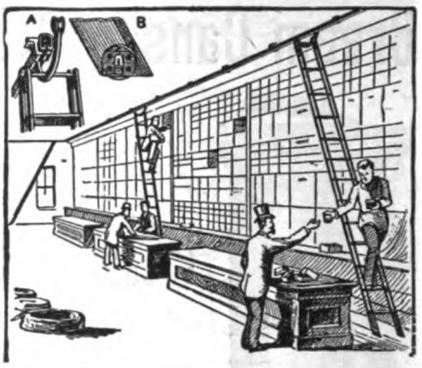
Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





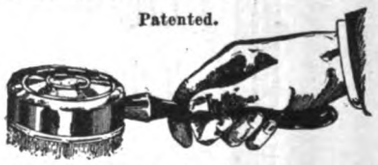
On account of Free Fly Coinage, Phillips Screens

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

The A. J. Phillips Co., Fenton, Mich.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Liberal discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,

146 Franklin St., Boston, Mass.

CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

WOOD MANTELS.

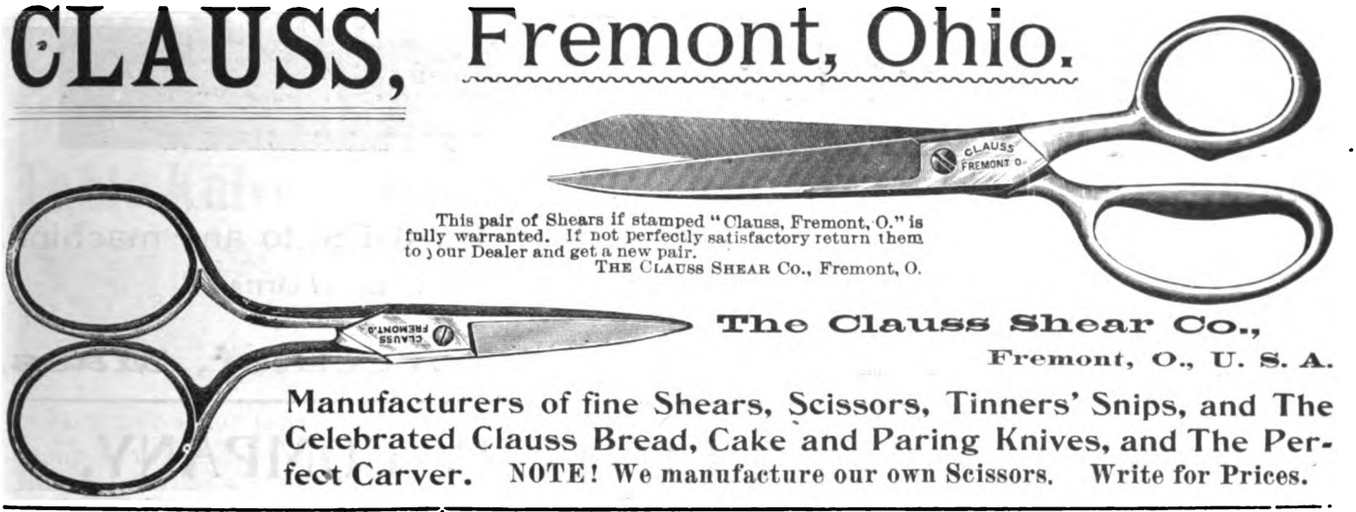


PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted. If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

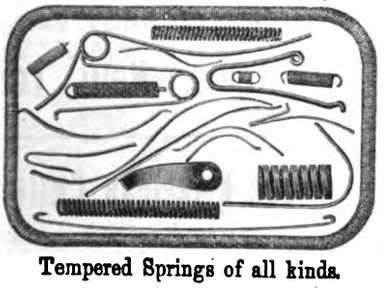
The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.

Marten Doscher,
DEPOT,
88 Chambers St., New York.
EDGE TOOLS,
G. W. Bradley's,
Horton's,
L. H. Watt's.
BENCH PLANES, &c.
Turned Work Handles, Mallets, &c.

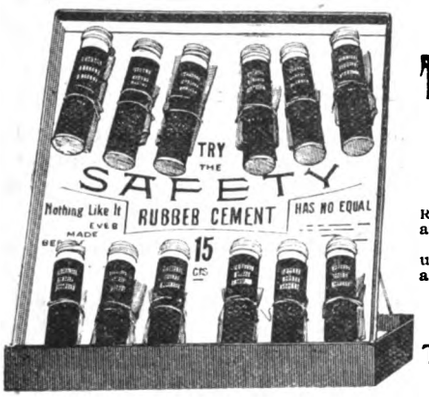
TUCK MFG. CO., Brockton, Mass.

Springs, Tools & Cutlery.



Send for Tool Catalogue.

Tempered Springs of all kinds.



"A WINNER."
The Safety Rubber Cement Outfit.
EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.
The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of **15 cents.**
Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

ESTAB. [illegible], 18[illegible]. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.
New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

WITH THIS NEW
Garden Cultivator

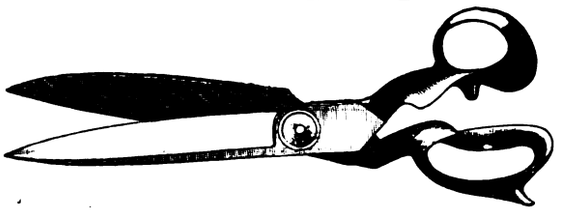


A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG. CO., ROCK FALLS, ILL

THE WISS SHEARS AND SCISSORS.
Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence
FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

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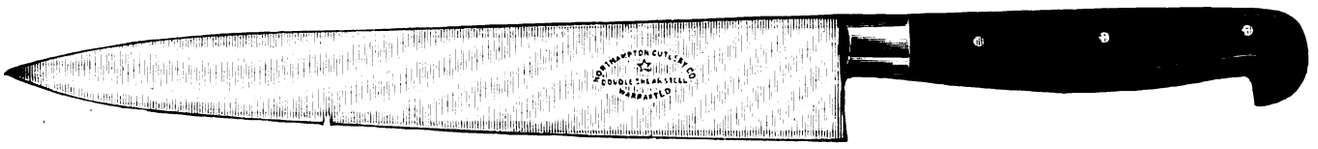
PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom. 122 Chambers Street.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, Limited,	Best Cutlery in the World
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	Horse and Toilet Clippers.
ELEY BROS., Limited,	Caps, Wads, Cartridge Cases etc.
L. HUGONIOT TISSOT,	Fine French Plyers and other small tools.
ISAAC GREAVES,	Sheep and Garden Shears.
W. K. & J. PEACE,	Grass Hooks, Scythes and Straw Knives.
R. & J. LINACRE,	Grass Hooks, Sickles, etc.
WEBSTER & HORSFALL,	Piano and Steel Wire of all descriptions.

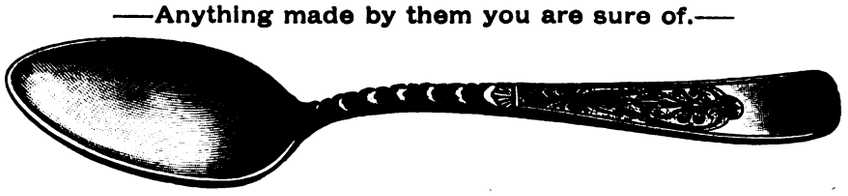
Proprietors of following brands of Cutlery:

Alfred Field & Co., Parker & Field, Progress, Criterion, Branford Cutlery Co., Continental Cutlery Co., Waltham Cutlery Co., Alexander Frazer & Co., Jones & Co

---

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

High Grade American Cutlery.

EVERY BLADE

HAND-FORGED

FROM BAR STEEL

AND FULLY WARRANTED.

Elliott W. Langley, 74 Reade St., New York

If you wish to learn something to your advantage, send for a sample copy of

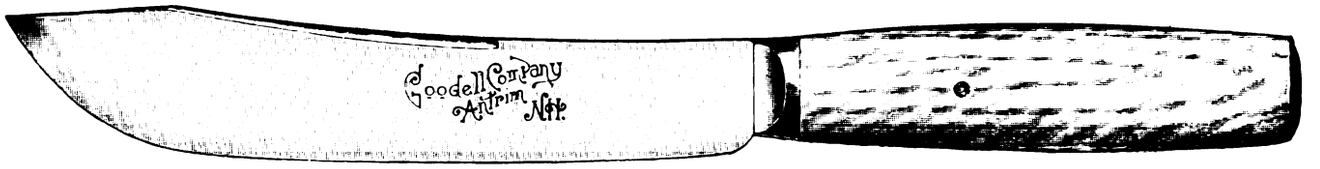
"HARDWARE."

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GOODELL COMPANY, ANTRIM, N. H.

MANUFACTURERS OF

Table Knives in great variety, Butchers, Carvers, Shoe Knives.



IN FACT JUST ABOUT EVERY THING IN THE KNIFE LINE EXCEPT POCKETS. ∴ ∴ ALL FULLY WARRANTED. PRICES ARE LOW NOW ◉ ◉

—AGENTS:—

The Alford & Berkele Co., 77 Chambers Street, New York City.
Henry Keidel & Co., 25 Hanover Street, Baltimore, Md.
G. W. Hodges, 708 Tacoma Building, Chicago, Ill.
M. G Rodearmel, 516 Boston Block, Minneapolis, Minn.
C. A. Maydwell, 23 Davis Street, San Francisco, Cal.



W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York, Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

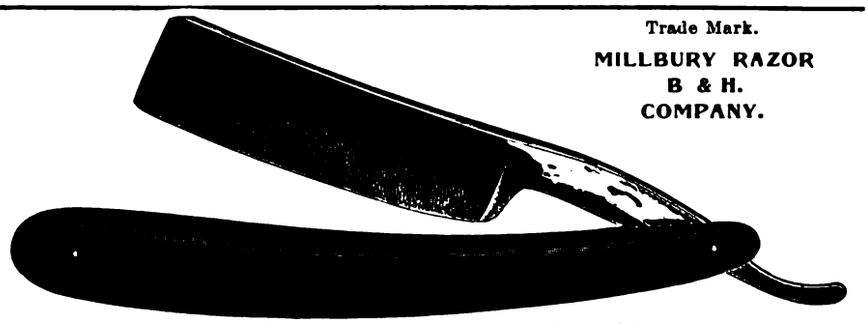
ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER



Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper angle on. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Made of nickel plated steel. Sent by mail on receipt of 25c

[illegible] & CO., 64 Reade St., New York.



Trade Mark.
MILLBURY RAZOR
B & H.
COMPANY.

WE manufacture nothing but Highest Grade Razors from the finest of English steel. Every razor hand forged and hand ground. Will exchange every one not proving satisfactory. Will be pleased to send sample orders on trial. Orders may be sent to TOWER & LYON, No. 95 Chambers St., New York, or direct to factory. We are the makers of the Charles Knock Razor, but hereafter all goods will be marked with the above trade mark unless otherwise ordered.

MILLBURY RAZOR CO., - MILLBURY, MASS, U. S. A.

SUPPOSE

[illegible] was here! You would [illegible] the other "ads." and [illegible] by twenty thousand other people. *Advertising in*

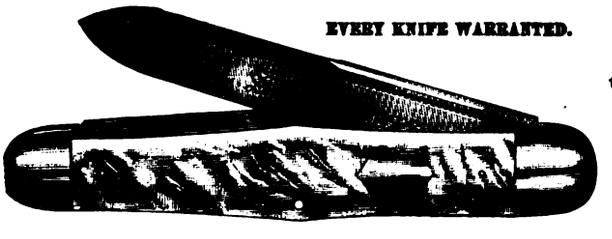
"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.

FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.



WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address
FOREHAND ARMS CO.,
WORCESTER, MASS.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM,
97 Chambers Street. PARKER BROS., MAKERS, Meriden, Conn.

WINNER OF GRAND AMERICAN HANDICAP OF 1895.

Seed's
New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at : : :

75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : : :

J. H. SEED, Manufacturer,
21 & 23 Centre Street, New York.

REMINGTON
HAMMERLESS GUNS.
Automatic and non-Aut. Ejecting.

THE FINEST
AMERICAN GUNS
EVER OFFERED.

10 Qualities, from $45.00 Upwards.



GUARANTEED FOR NITRO POWDERS.

Complete Catalogue of Remington Firearms on application.

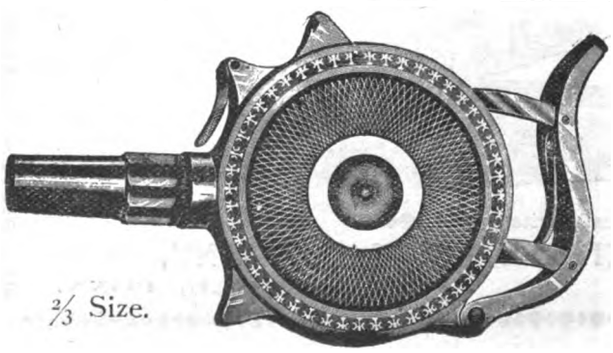
REMINGTON ARMS CO., - ILION, N. Y.
Makers of the Celebrated Remington Bicycle, office, 313-315 Broadway, New York.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

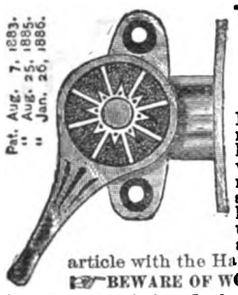
The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.

THE WELLS & BRAINERD CO., Agents, 81 Reade Street, New York.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

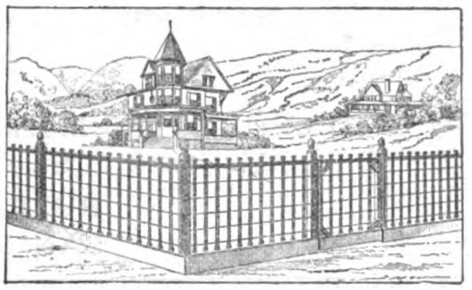
The Champion Safety Lock Co., Cleveland, O.





KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market.

Send for Illustrated Circular and price list.

Art Hardware

adapted to the requirements of every style of Architecture. "Vassar" Cylinder Locks and Fine Bit-Key Locks of all kinds.

WAREHOUSES:

New York,	Philadelphia,	Chicago,
96 & 98 Reade St.	514 Commerce St.	73 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.



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The Yale & Towne Mfg. Co.,

Manufacturers of BUILDERS' HARDWARE.

GENERAL OFFICES: 280 Broadway, New York.

WAREROOMS:

NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.

Works: { Stamford, Conn. / Branford, Conn.

BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Building.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED a position as traveler for Hardware or Hardware specialt es by a man of some ability and eight years' experience. References my present employers. T. A. Stroud, Pine Bluff, Ark.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A competent salesman of table cutlery; one who can command trade and manage that department. Address R., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street. New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

SITUATION wanted by a man with twenty years' experience in the Hardware business. Thoroughly posted in builders' Hardware and house-furnishing goods. Will accept position in house or on the road. Address Brooklyn, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Experienced Hardware salesman, seven years introducing to architects and large trade extensive territory. Ability, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Position desired as such to represent first class firm, California preferred. Smart, well educated, used to traveling in States, Canada, England and Germany. Fifteen years' references. Age, 31. Address F. N. Co , No 1710 Amsterdam Avenue, New York.

BICYCLE DEPARTMENT.—A1 man of many years' experience, thoroughly well posted in regard to every detail of the bicycle business; first-class salesman, good advertiser and persistent hard worker would like charge of this department or is open to offers. C. C. L., care HARDWARE, No 143 Chambers Street, New York.

A COMPETENT young lady, who has had business experience, would like position of stenographer and typewriter in some reliable Hardware house First-class references given. Address Typewriter, care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman, of long experience, acquainted with Hardware trade through Middle and Western States, wants side line from manufacturer; mechanics' tools preferred. Address C. D. Ferre, No. 9 Locust Street, Springfield, Mass.

SITUATION wanted by a first-class tinner, an expert at furnace work, roofing, spouting and general jobbing and repairing; also understands bicycle repairing. Young man, single, speaks English and German; industrious, steady and sober. References. Address H. F. Thompson, No. 135 Lake Street, Chicago, Ill.

A FIRST-CLASS cutlery salesman is open to engagement to travel. Is now under contract which is about to expire. References given and required. Address "Cutlery Salesman," care HARDWARE, No. 143 Chambers Street, New York.

A LIVE, energetic young man recently employed by leading cut'ery importer, desires to represent a German manufacturer to take importation orders for pocket-knives, razors or scissors. An experienced traveler and possessing the highest references. Address Norroton, care HARDWARE, No. 143 Chambers Street, New York.

BICYCLES—A1 man of many years' experience, thoroughly well-posted in regard to every detail of the bicycle business. First-class advertiser and persistent worker would like to have charge of this department or have propositions. Address to Cycle Propositions, care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty-four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware, stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Lake County, Ohio.

WANTED—By a young man with twelve years' experience in the Hardware business, a position either in the house or on the road. Unquestionable references. Address M. G., care HARDWARE, No. 143 Chambers Street, New York.

A SHEET metal salesman with eight years' factory experience, wishes a change of employers, same line, or with manufacturing or jobbing Hardware house. Address "New Jersey," care HARDWARE, No. 143 Chambers Street, New York.

A POSITION as commercial traveler is wanted by young man of great ability, having a fine education. Good references given Address J N. Patter-on, England, Pa.

YOUNG man, twenty-two, desires situation in city or country; rapid penman; accurate, honest, temp rate; liking for hard work; can give bond. Address A. E. McLean, Tremont, N. Y. C.

WANTED—By a young man, thirty-five years of age, with fourteen years' experience in the retail Hardware business, position as salesman with a good house. Thoroughly posted in builders' Hardware, and capable of making estimates from architects' specifications. Can fu nish unexceptional references. Address Capable, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

THE subscriber desires to recommend a first-class traveling salesman, at present covering the State of Colorado with samples of crockery, to manufacturers of Hardware or other similar lines desirous of being efficiently represented in that territory. Address Henry W. Darling, Treasurer General Electric Co , Schenectady, N. Y.

WANTED side line of leading manufacturer by builders' Hardware salesman for New York, Brooklyn Philadelphia, Boston, and large towns in New York State and New England, also Baltimore, Washington and New Jersey. First-class references. Address Chipman, care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O.

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Side Line Wanted

WANTED a line of "corrugated conductors," etc., or Hardware specialties for Milwaukee and Wisconsin trade. "S.," No. 334 Twenty-first Avenue, Milwaukee, Wis.

TRAVELING salesman with established trade in leading towns in Middle and Western States, wants a line, or good specialty to sell Hardware trade on commission Address Good Trade, care HARDWARE, No. 143 Chambers Street, New York.

AN active agent with large personal acquaintance with jobbing and retail toy trade wishes a line of small iron toys on commission for Baltimore and Washington, D. C. Best of references. Address C. F. M., corner Bond and Gay Streets, Baltimore, Md.

POSITION by a young man to represent barbers' supply or good cutlery house in two or three Southern States. Good references as to character and ability; three years' experience with barbers' supply and cutlery house. Address, stating salary given, to Cutlery, care HARDWARE, No. 143 Chambers Street, New York.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WE want traveling salesmen to sell our washer direct to the retail trade. We will allow a liberal commission, and also allow them a commission on all mail orders coming from their customers. For full particulars address the Rocker Washer Co., Ft. Wayne, Ind.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

EXPERIENCED salesmen wanted to sell the best garden tool on the market Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine-Street, Hazleton, Pa.

WANTED—Active, energetic traveling Hardware salesman to carry an article as a side line which will interest every dealer. Large commissions paid. Address Richmond Safety Gate Co., Richmond, Ind.

WANTED—Experienced Salesman in Western States to sell good staple in Hardware line, representing manufacturer direct. Liberal commission. Address Box 156, Wilkinsburg P. O., Pittsburg, Pa.

Agencies for Hardware Specialties Wanted.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

WHO has got a good line or specialty to sell to Hardware trade, that would like to be represented in New York City by party having established trade, on commission or otherwise? Address Hardware Selling Co., care HARDWARE, No 143 Chambers Street, New York.

Bicycle Agency Wanted.

WANTED for Chicago and vicinity the agency for a good standard bicycle by three live men. For the trade only. Good showroom on prominent thoroughfare. D. Hymes, No. 135 Lake Street, Chicago Ill.

Business Opportunity.

WANTED an experienced partner with $3000 to take half interest in an established Hardware business in a growing town. Addres H, H. H., P.O. Box 2783, New York City.

WANTED - An active, energetic young man who can command from $5000 to $8 00 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED Agents for Ariston Cycles in States of New York, New Jersey and Connecticut. Address Hoole Machine & Engraving Works, No. 83 Reade Street, New York.

For Sale.

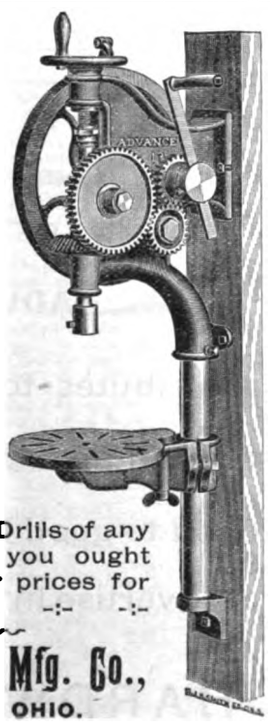
A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.

DRILLS TO SUIT EVERYBODY

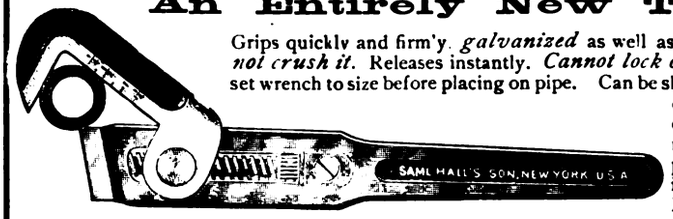
9 Sizes, New Styles, Low Prices. If



You handle Drills of any description you ought to have our prices for comparison. -:- -:-

The Silver Mfg. Co.,
SALEM, OHIO.

HALL'S IMPROVED PIPE WRENCH.
An Entirely New Tool.



Grips quickly and firmly *galvanized* as well as other pipe *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

GET OUR LITTLE BOOK. FREE

SAMUEL HALL'S SON, 229 WEST TENTH STREET, NEW YORK.

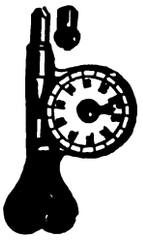


Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,
63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—



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"Excellent Cream!"

WHITE MOUNTAIN FREEZER

Improved for 1895

With which the finest quality of cream can be produced in Four Minutes.

As features of especial merit we claim:

A STRONG, waterproof tub, bound with heavy, galvanized iron hoops that fully protect the tub, and do not fall off; the gearing completely covered, so that nothing can get between the cogs. Cans full size and made of the very best quality of charcoal tin plate; beaters of malleable iron and tinned; all castings attached to the tub nicely galvanized to prevent rusting. It is the only Freezer in the world having the CELEBRATED DUPLEX DASHER, WITH DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by the use of which cream can be frozen in less time, yet finer and smoother than can possibly be produced in any other Freezer now in use.

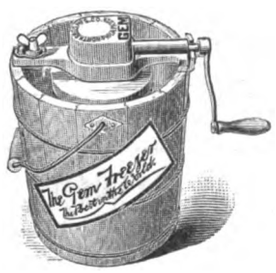
Get the Best. All Leading Jobbers Sell Them.

THE WHITE MOUNTAIN FREEZER CO., Nashua, N.H.

The BEST FREEZERS Made

HAVE
Electric-Welded Wire Hoop Pails,
MADE OF
Best Virginia White Cedar,
AND
Drawn Steel Bottom Cans.

SOLD BY LEADING JOBBERS.







HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

STRONGER. LAST LONGER. HANDSOMER.
EQUALLED BY NONE
IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

Manufactured Exclusively by

North Bros. Mfg. Co., Philadelphia, Pa.

SAVE YOUR CHAIN. USE EAST INDIA STICK GRAPHOLINE.

The genuine bears our trade mark. Beware of imitation. Nothing is too good for your chain.

East India **GRAPHOLINE** costs a little more but it is **High Grade**, put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr. **632 Fourth Ave.,**
LOUISVILLE, KY.

Sample stick by mail, 25 cents.



Electrotype furnished for Catalogue.

OHIO ICE CREAM FREEZER



A high-grade Freezer. Mechanically Correct. Fittings Accurate. Easily Cleaned.

"THE RESULT OF 25 YEARS' EXPERIENCE."

Thoroughly mixes the Cream from bottom to top. Neither Salt nor Oil can reach the Cream. It has all the good points of other makes, and many more of its own.

THE
Saml. C. Tatum Co.
Sole Mfrs.,
254 Water Street,
Cincinnati, O.

FAITH

- IN -

ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.

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Prices Current.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's 45%
Ajax 40%
Cooper's 20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge ..... 33 @ 35c
U. M. C. Co. and Hicks ground edge ..... 45 @ 47c
Musket ..... 50 @ 53c
G. D ..... 27 @ 30c
CARTRIDGES—
Rim Fire Cartridges ..... 50&5&2%
Rim Fire Military ..... 15&2%
Cent. Fire, Pistol and Rifle. 25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal $1.75 2%
Blank Cartridges, 32 cal $3.50 2%
Primed Shells and Bul'ts ... 15&5&2%
B. B. Caps, Round Ball ... $1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00. ..... 2%
B. L. Caps (for Sturtevant Shells) $ 1.00 ..... 2%
All other Primers $1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50 ..... 20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality. 60&2%
Brass Shot Shells, Club, Rival and Climax ..... 65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—₩ 1000—
B.E., 11 up. 60c. . B.E., 9 & 10 . . 70c
B.E., 8. . . . 80c. . B.E., 7 . . . . 80c. .
P.E., 11 up. 1.00. . P.E., 9 & 10 . . $1.25
P.E., 8. . . . 1.50. . P.E., 7 . . . . . 1.50
20&2%
SHOT—
Drop Shot, sizes smaller than B, 25-₤ bags ₩ bag $1.10
Drop Shot, sizes smaller than B, 5-₤ bags, ₩ bag ..... $ .30
Drop Shot, B and larger sizes, 25-₤ bags, ₩ bag $1.35
Drop Shot, B and larger sizes, 5-₤ bags, ₩ bag ..... $ .35
Buck and Chilled Shot, 25-₤ bags, ₩ bag $1.35
Buck and Chilled Shot, 5-₤ bags, ₩ bag ..... $ .35
Dust Shot, 25-₤ bags, ₩ bag $1.75
Dust Shot, 5-₤ bags, ₩ bag .... $ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs ..... 25 ₤ $3.25
12½ ₤ 1.90
6¼ ₤ 1.10
Rifle special, kegs ..... 25 ₤ 4.25
12½ ₤ 2.40
6¼ ₤ 1.25
Creedmoor, kegs ..... 6¼ ₤ 1.10
Ducking, kegs ..... 6¼ ₤ 3.00
[For 1 to ₤ lots 10% discount.
Blasting and Mining, A.. 25 ₤ 2.00
Blasting and Mining, B.. 1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each... $ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each ..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each ..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each ..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each ..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each ..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each ..... .12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤ $8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤ 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤ 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ₤ 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤ 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤ 1.10
"V. G. P." for Trap Shooting, in Kegs 25 ₤ 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤ 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼ 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤ 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤ 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤ 1.35
Mealed Powder, in Kegs, 25 ₤. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤ 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤ 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤ 1.50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black ..... $ .85
Canister, equal in bulk to 2 ₤, best black 1.70
Drum, equal in bulk to 10 ₤, best black 8.25
Drum, equal in bulk to 50 ₤, best black 41.00
Drum, equal in bulk to 100 ₤, best black 82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ ₤ 9c ..... 15@15&5%
Peter Wright's ..... 9¾@10¼c
Armitage's Mouse Hole ..... 8¾@9¼c
Trenton ..... 9@9¼c
American "Horse-Shoe" .. 9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00. . 20%
Cheney Anvil and Vise 25%
Others ..... 40@40&10%

Augers and Bits—
Auger Bit Association. 70&10@75&5%
Second Quality Goods ..... 80&10%
Cook's Circular Lip 60%
Cook's N. H. Copper Co 60%
Ives' Circular Lip 65%
C. E. Jennings & Co.:
No. 10, extension lip 40%
No. 10, extension lip pattern car bit 40%
Double Spur pattern car, No. 30. 60%
Lewis' Patent Single Twist 50%
Russell Jennings' Augers and Bits 25%
Jennings' Dowel Bits 40%
Pugh's Black 25%
Snell's Car Bits 50%
Forstner Pat. Auger Bits 20%
Irwin Pat. Auger Bits 33%
Cincinnati Tool Co.:
Bell hangers' bit ..... 40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug ..... 25&10&10%
HOLLOW AUGERS—
Ives ..... 33⅓@33⅓&10%
French, Swift & Co. . . 33⅓@33⅓&10%
Douglass' ..... 33⅓@33⅓&10%
Bonney's Expansive ..... doz. $21.00
Millers Falls, Goodell ..... 25&5%
EXPANSIVE BITS—
C. E. Jennings & Co. 33⅓%
Clark's small, $18.00 ..... 40@40&5%
Ives' No. 4, ₩ doz. $60 ..... 40@40&10%
Swan's ..... 40@40&10%
Steer's No. 1, $26; 2, $18 ... 40@40&5%
Stearns' Expansive, No. 2, $48 .... 20%
Ives' Expansive, each $4.50 ..... 50%
Universal Expansive, each $4.50. .20%
Cincinnati Expansive. . . . 25&10&10%
Sargent's Expansive ..... 20&10&10%
GIMLET BITS—
Diamond ₩ doz. $1.25 ..... 40&10%
Double Cut, Shepardson's. 45&10@45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass' ..... 40&10%
Double Cut, Ives' . . 60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills. 50&10&5@60&10%
Standard ..... 50&10&5@60&10%
Cleveland ..... 50&10&5@60&10%
Cincinnati Tool Co ..... 40@40&10%
Syracuse, for metal ..... 50&10%
" for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
L'Hommedieu's . . . . 15&10@15&10&5%
Watrous' ..... 25@25&10%
Snell's ..... 25&25&10%

Awls—
Sewing, Common 60%
Should. Peg ₩ gr. $3.75 ..... 60&10%
Pat. Peg 60%
Dunlap's Brad 25%
Dunlap's Handled 25%
Shoudered Brad. ₩ gr. $4.00. . 60&10%
Handled Brad 55%
H'ld Scratch 60%
Socket Scratch ₩ doz., $1.50. . 25&30%

Awl and Tool Sets—
Ice Awls 55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10 ..... 6@@ &5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5 $7 ..... 50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18. .25%
Brad Sets:
No. 42, $10.50; 43, $12.50 . . . 70&10&5%
Stanley Rule & Level:
Patent Pegging ..... 50&10%
Handled Brad 30%

Axes—
G. W. Bradley's:
Long Island ..... ₩ doz. 9.00
Yankee ..... ₩ doz. 10.00
Wide Bit ..... ₩ doz. 10.00
Rockaway ..... ₩ doz. 10 00
Dock ..... ₩ doz. 15.00
Firemen's ..... ₩ doz. 18.00
Hunt's Broad Axes and Adzes. . . 50%
American Axe & Tool Co:
Standard Brands ..... ₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz $13.00
Fayette R. Plumb:
Broad ..... 40&7½%
Butchers German Pattern 40%
Boys ..... 40&7½%
HATCHETS—
American Axe & Tool Co. 40 & 10@50%
Hunt's, Underhill's or Blood's . . . 40&10@50%
Fayette R. Plumb:
Broad ..... 40&10@50%
Shingling ..... 40&10@50%
Lathing ..... 40&10@50%
Warehouse ..... 40&10@50%
Collins 10%

Balances—
Straight Spring balances 40& 10@50%
Common 24 ₤ . . . . ₩ doz. 80c net.
Circular Spring Balances. . . . 50&10%
No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Bal. . . . 40@40&10%
Chatillon's Cir. Sp'g Bal. . . . . 50&10%
Ice ..... 50&10%

Beef Shavers—
Enterprise 25%

Bells—
HAND—
Light Brass .. .. 70& 10@70&10&5%
Extra Heavy Brass 70%
White Metal 70%
Silver Chime ..... 33⅓&10%
Globe (Cone's Patent) 35%
Tea Bells 33⅓%
Auctioneers 25%
Francis Keil & Son Trip Gongs. . . 50%
DOOR—
Multi-Stroke 50%
Gong, Abbe's ..... 33⅓&10%
Gong, Yankee .. .. 45&10%
Gong, Barton's ..... 40&10@50%
Crank, Taylor's ..... 25&10%
Crank, Brooks' 25%
Crank, Cone's 10%
Crank, Connell's ..... 20&10%
Lever, R. & E. M. Co.'s . . . 50&10&2%
Pull, Brooks' ..... 50&10&2%
Duplex, Sanderson's . . . . Net
Eastlake Hand 65%
New Departure ..... 45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount 33⅓%
COW—
Common Wrought ..... 60&10&10%
Western ..... 20&10%
Western, Sargent's list ..... 70&10%
Kentucky, "Star" ..... 20&10%
Sargent's:
Sheep and Cow Bells ..... 60&10%
Kentucky ..... 70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star ..... 50&10@70%

Belting, Rubber—
Boston Belting Co.:
" Imperial," seamless, stitched 40&10%
"Boston" ..... 50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%
Cleveland Rubber Co.:
War. 2 XL 40%
Shield High Grade ..... 50&10%
Buckeye ..... 60&10%
Common Standard. 70&10@75&10&5%
Standard ..... 70&10@75%
Extra ..... 60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00 ..... 40&20%
Seymour Smith & Sons . . ₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's ..... ₩ doz. $3. . . 10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ doz 25%
Millers Falls ₩ doz. $4.50 ..... 25%
Wm. Johnson's:
7¼x7¼x1, ₩ doz. $11.00 ..... 50%
9x9x1, ₩ doz. $12.00 ..... 50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $20.00 . . . . 60&5@60&10%

Blind Adjusters—
Domestic . . ₩ doz. $3., 33⅓@33⅓&10%
Excelsior . . ₩ doz. $10.00. . . 50&10&2%
Zimmerman's 50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $1.00 ..... 20%
Austin & Eddy ₩ gro. sets $5.50
Forhans Improved Star Tenon ₩ gro. $1.00 ..... 25%
Mackerell's, ₩ doz. $1 00 . 2 @20&1 %
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr. . . $9.00
Security Gravity ₩ gr $9 00
Van Sand's ..... 55& 1 %
Washburn's Plate ₩ gr $9 00
Zimmerman's 50%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron 60%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley. 60%
Regular Iron Strap'd Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts. . 75 & 10@75&10&5%
Cast Iron Chain (Sargent's list). 65 & 10@65&10 & 5%
Ives' Patent Door Bolts. . 10 & 10 & 5@60&10&10%
Wrought Barrel ..... 75& 10@80%
Wrought Square ..... 75 & 10@80%
Norwich Lock Mfg. Co. list 80%
Wr't Shutter, all Iron, Stanley's. 60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔%
Wr't Sunk Flush, Sargent's list. 60@10%
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list ..... 60&10@60&10&10%
Window Spring 75%
Window Spring Bolt Socket 70%
See Catches and Turns.
CARRIAGE, MACHINE, &C.—
Com. Jan 30, '95 70 & 10 & 5@70&10&10&
Genuine Eagle, list Oct. '84 .. 80&50@80&10%
Phila. pattern, list Oct. 7, '84 ..... 80%
R. B. & W., old list. ..... 70&10%
Machine list Jan. 30, '95 ..... 75&10%
Bolt Ends, list Jan. 30, '95. 80@80&5%
TIRE—
Common, list Feb. 28, '83 ..... 70&10%
Port Chester Bolt and Nut Co.:
Empire, list Feb. 28, '83 ..... 70&10%
Keystone, Phila., list Oct. '84. 80&10%
Norway, Phila., list Oct. '84. 70&10%
American Screw Co.:
Norway, Pa., list Oct. 16, '84. 70&10%
Eagle Phila., list Oct. 16, '84. 80&10%
Bay State, list Feb. 28, '83. . 70&10%
B. R. & W., list Oct. 16, '84 ..... 80%
STOVE AND PLOW—
Stove 70%
Plow ..... 0& 0&10@70%
R. B. & W., Plow 65%
MISCELLANEOUS—
Sleigh Shoe 75%
Sink 60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7 00 ..... 33⅓%
"New Easy" Bolt Clipper, $9.00. 33⅓%

Bone Mills—
Enterprise 20%

Boring Machines—
Without Augers.

	Upright.	Angular.	
Douglass'	$5.50	$6.75	50%
Snell's. Rice's Pat.	5.50	6.75	.40& 10&10%
Jennings'	5.50	6.75,	5'@ 10&5%
Other Machines	2.25	2.50	net
Phillips' Patent with Augers	7.00	7.50	....
Millers Falls		7.50	25%

Bow Pins—
Humason, Beckley & Co.'s 7 @70&10%
Sargent & Co.'s $17 and $18. 60. 60& 10@60& 10&10%
Peck, Stow & W. Co. 60& 10@60&10&10%

Braces—
Barber's ..... 50&10%
Barker's ..... 75&10@80%
Barker's plated ..... 70&10%
Spofford's ..... 60&10%
Ives' New Haven Novelty. 70@70&5%
New Haven Ratchet. 60&5@60&10%
Barber Ratchet ..... 60&5@60&10%
Barber ..... 60&5%
Spofford ..... 60&5@60&10%
Common Ball American. $1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30 ..... 60%
Nos. 117, 118, 119 ..... 0@70&75%
Amidon's:
Barker's Imp'd Plain . . 75&10@80%
Barker's Imp. Nickeled. 65&10@70%
Ratchet ..... 75&10@80%
Eclipse Ratchet 60%
Globe Jawed ..... 40@40&10%
Corner Brace ..... 40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball ..... $1.10@$1.15
Peck's (P. S. & W. Co.) . . . . 50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20 ..... 60&10%
Nos. 23, 23, 25 ..... 60&10&5%
Nos. 11, 21, 24, 27 ..... 70&10%
Nos. 13, 26, 36, 37 ..... 70&10&5%
Ball Braces, net. ₩ dos. $1.12@$1.35
Millers Falls 25%

Brackets—
Shelf, Bradley's Patent 75%
Shelf, Plain, Sargent's list. . . . 60&10%
Shelf, Francis Keil & Son 40%
Moore's 70%
Shelf, fancy, Sargent's list. 70@70&10%
Window Screen Corner ..... 70&10%

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Door Screen....70&10%
Reading, plain....60&10%
Reading, Rosette....70&5%
Hand Rail....60&10%

Bright Wire Goods—
Standard list....85&10%

Bull Rings—
Union Nut Co....55%
Sargent's....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s....50%

Butcher's Cleavers—
Bradley's....25@30%
L. & I. J. White....25&5%
Beatty's....40@40&5%
New Haven Edge Tool Co.'s....40%
P. S. & W....33⅓&5@33⅓&10%
Dunlap's Family....25%
Foster Bros....30%

Butcher's Knives—
See Knives.

Bung Hole Borers—
Enterprise....25%

Butter and Cheese Tryers—
Ordinary....25&10%

Butt Gauges—
Stanley's....20&10&10%

Butts—
BRASS—
Wrought Brass....80&80&10%
Cast Brass, Tiebout's Fast Joint..50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint....33⅓&10%
Cast Brass, Francis Kell & Son..40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow....50&10&5%
Fast Joint, Broad....50&10&10%
Loose Joint....75&10%
Loose Joint, Japanned....7½%
Loose Joint, Jap. with Acorns....7½%
Parliament Butts....65%
Mayer's Hinges....70%
Loose Pin, Acorns....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow....
Fast Joint, Lt. Narrow....
Fast Joint, Broad....
Loose Joint, Broad....
Table Butts, Back Flaps &c....
Inside Blind, Regular....
Inside Blind, Light....
Loose Pin....
} 40%
Bronzed Wrought Butts....66⅔%

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00....25%
A. S. Henn....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka....₩ doz. $2.50....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star....₩ doz. $2.20
Sprague, No. 1, $3.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩doz.75c
Universal, ₩ doz. $3.00....40%
Domestic, ₩ doz. $2.50....50%
Champion, ₩ doz. $2.00....6%
New Scott Mfg. Co.'s list....20&10%
Leavitt's Common Sense ₩ gro $7.00....60%
Kohler's Cyclone....₩ doz. 75c
Kohler's Lightning....₩ doz. 90c
Moore's....70%

Caps—
See Ammunition.

Cards
Horse and Curry....25%
Cotton....25%
Wool....25%

Carpet Stretchers—
Cast Steel, Polished....₩ doz. $3.25
Cast Iron, Steel Points.₩ doz. 85c 20%
Bullard's....30%
Dunlap's....25%
Wm. Johnson's Socket....50%

Carpet Sweepers—
Bissell's:
Grand....₩ doz. $36.00
Gold Medal....₩ doz. $27.00
Prize....₩ doz $27.00
Premier....₩ doz $27.00
Superior....₩ doz. $27.00
Cosmopolitan....₩ doz. $27.00
Furniture Protector, Japanned....₩ doz. $24.00
Furniture Protector, Nickel....₩ doz. $27.00
Inter Ocean....₩ doz $27.00
Hall....₩ doz. $45 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1....₩ doz. $21.00
Domestic, No. 2....₩ doz. $22.00
Excelsior....₩ doz. $22.00
Garland....₩ doz. $18.00
Grand Rapids, Jap..₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned....₩ doz. $24.00
Improved Parlor Queen Nickeled....₩ doz. $27.00
Parlor Queen....₩ doz. $24 00
Standard....₩ doz. $24.00
Make the following rebates: $1 00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Cartridges—
See Ammunition

Casters—
Bed....
Plate....
Shallow Socket....
} Brass...60%
} Others..65%
Deep Socket....60%
Martin's Patent(Phœnix)..45&10@50%
Tucker's Patent, low list....50%
Payson's Anti-friction70%@70&10&10%
Yale Casters, list May, '84....70%
Yale Gem....70%
Giant Truck Casters....45&10%
Stationary Truck Casters....60%
Socket Truck Casters....60%
Swivel Truck....60&10&10%
Store....55%
Gwinner's Common Sense....40%
Gwinner's Hercules....45%

Catches and Turns—
Cupboard Catches....70&10&10%
Transom Catches....60%
Cupboard Turns....60%
Close Catches....70&10%
Screen Door Latches....70%
Screen Door Catches....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches....50%

Cattle Leaders—
Coverts Saddlery Works....33⅓%
Humason, Beckley & Co.'s....70%
Sargent's....7½&10%
Seymour Smith & Sons....30%
Peck, Stow & W. Co....40%
COW TIES—
American....60&10%
Triumph....33⅓%
Covert's Horse and Cattle:
Jute....33⅓%
Manilla....33⅓%
Sisal....33⅓%

Chain
Trace, 6½-10-3, ₩ pair, $1.08....60&10%
Trace, 6½-10-3, ₩ pair 92c....60%
Trace, 7-10-3, ₩ pair $1.11....60%
Log, Fifth Stretcher, and other fancy Chains....55@60%
German Coil....60%
German Halter Chain....60%
Oneida Halter Chain....60@60&5%
Covert's Rein Chains....33⅓%
Covert's Breast Chains....33⅓%
Covert's Hitching Chains....33⅓%
Galvanized Pump Chain....₩ lb 6c
Jack Chain, Iron....75@75&5%
Jack Chain, Brass....60%
Plumbers....60%

Chalk Lines—
See Lines.

Cherry Stoners—
Enterprise....25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W....
New Haven....
Witherby....
Mix....
} 75@75&10%
C. E. Jennings & Co....25%
Douglass....75@75&10%
Buck Bros....30%
Merrill & Wilder....50&10@60%
Jennings & Griffin Mfg. Co....60%
Hinsdale....75&5%
L. & I. J. White....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'....40&10%
Butchers'....50%
Spear & Jackson's....$5 to $
Buck Bros....30%
C. E. Jennings & Co....20%
Jennings & Griffin Mfg. Co. Draw ing Knives....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge....40%
Cold....60%
Box....60&10%

Chucks—
Beach Pat....each $8.00....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury....each $6.00..30@30&5%
Syracuse, Balz Pat....25%
Skinner's Pat. Drill Chucks....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck....45%
Drill....20&10%
Star....25%
Barber....35%
Union Mfg. Co.:
Victor....$8.50, 25%
Combination....40%
Universal....40%
Independent....40%
Whitton's
Combination....40%
Independent....50%
Cushman's:
Combination....40%
Independent....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati....15&10%
Adjustable, Hammers....15@15&5%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's....75%
Carriage Makers' P. S. & W. Co..40%
Eberhard Mfg. Co....40&5@40&10%
Warner's....40&10@40&10&5%
Carpenters', Cincinnati....15%

Cleavers—
Foster's....30%
Jennings & Griffin....40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper)....$3.50
Clarke's (Imported)....3.50
Albion L (for left hand)...3.50
Foxhall....3.50
Automat (centre fly nut)..3.50
Peerless (horse toilet)....4.00
Newmarket....2.50
Triumph (Ball bearing), horse toilet....4.00
Keystone (Ball bearing), centre fly nut....5.00
American (double cutting plate)....5.00
Lexington....3.50
Advance....2.50
Globe Reversible (Ball bearing)....6.00
Republic....3.75
Double Diamond (reversible plate)....5.00
Dictator....3.50
Empire....3.75
Regent Toilet (for horses)..3.00
La Belle Toilet (for horse)..3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16..65&5
Superior Axle Clips....66⅔&5@70%

Cockeyes—
List....50%

Coffee Mills—
Box and Side....55%
Am. Enterprise Mfg. Co....30%
The Swift, Lane Bros....30%
Waddell's Improved....40%
Logan & Strobridge Iron Co....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers....65%
Brown & Sharpe Micrometer..25&10%
Calipers, Wing....50&5%
Inside or Outside....65%
Double....65%
Call's Pat. Inside....55%
Stevens's "Ideal"....25%
Stevens's "Leader"....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating....15%
Brown & Sharpe....20%
Wm. Johnson's:
Wing Dividers....75%
Extension Dividers....40%
Wing Calipers....70%
Inside, Outside and Double....75%
Registering....50%

Coopers' Tools—
Bradley's....20%
Barton's....20&10%
L. & I. J. White....20&5%
Albertson Mfg. Co....25%
Beatty's....30%
Sandusky Tool Co....30@30&5%
Shaves, Cincinnati Tool Co....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co....33⅓%
Howe Bros. & Hulbert....30%
Samson....₩ doz $10.00

Corn Huskers—
Blair's Adjustable....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel....₩ gr 4.50
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $30.00.
Wrist Supporters....₩ doz. 75c
Mittens....₩ doz. $1.50
Ashtaouls....₩ gro. $2.50
Brinkerhoffs....₩ gro. $15.00
Buckeye....₩ gro. $4.00
Cleveland....₩ gro. $7.50
Johnson's....₩ gro. $6.50
Universal....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's....10%
Wadsworth's....45%

Counter Sinks—
Adjustable....20%
Shepardson's Diamond....40@45%
Einwachters....60&10%
Wheeler's Patent....40%
Wm. Johnson's....50%

Crayons—
Sargent's List....20%

Dixon's
Eclipse....₩ gro. $3.75
Emerald....₩ gro. 5.00
Oriole....₩ gro. 5.00
Rainbow....₩ gro. 2.81
Solid....₩ gro. 7.50

Curry Combs—
Spring....40%
Rubber....25%
Perfect....33⅓%
F. E. Kohler & Co.'s Magic Oscillating....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $3.00, doz....40&10%
Nickeled Shank 4 4½
$1.25 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz....40&10%
Buffalo Damper Clips....40&10%
Crown Damper....40%
Excelsior....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment)....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List....50%
Leather Muzzles....50&10%

Door Checks—
Bardsley's....15%
Sargent's Eclipse....55%
Shaw's....40%
Unity F. G....50%

Door Openers, Electric—
Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00
SPARK COIL—
Stanley & Patterson $4.00....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1892....33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $30.00....20%
Warner's....45&50%
Gem (Coil), list April 19, 1886....10%
Star (Coil), list April 19, 1886....20%
Foster's (Coil)....20%
Champion (Coil)....55%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00....50%
Rubber....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List....60%

Drawing Knives—
Witherby....
Jennings & Griffin....
P. S. & W....
Mix....
New Haven....
} 75@75&5%
Merrill & Wilder....60%
Douglass....75@75&5%
Watrous....20%
L. & I. J. White....20&5%
Bradley's....35%
Adjustable Handle....20@25%
Wilkinson's Folding....25@25&5%
Hinsdale....75&5%

Dressers, Emery Wheel
Chalenge....20%

Drills and Drill Stocks—
Blacksmiths'....each $2.25
Breast, P. S. & W....33⅓&10%
Breast, Wilson's....30&5%
Breast, Millers Falls....25%
Breast, Bartholomew's..each $3.50 25&10@40%
Ratchet, Merrill's....30@30&5%
Ratchet, Ingersoll's....25%
Ratchet, Packer's....25%
Ratchet, Whitney's....20&10%
Ratchet, Weston's....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00....20&10%
Wilson's Drill Stocks....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover....₩ doz $3.00..60%
National, ₩ doz $4.50....33⅓%
Fan...y T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.)....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Egg Poachers
Morgan Steam, No. 3. No. 5.
₩ doz. $4.20 $6.00....40%

Emery—
No. 4 to No. 54 to Flour, CF
46 gr. 150 gr. F FF.
Kegs, ₩ lb..4½c 5c 2½c
¼ kegs, ₩ lb.4½c 5½c 3½c
½ kegs, ₩ lb. 5c 5½c 3c
10 lb cans, 10 in case.... 6c ½c 5c
10 lb cans,less than 10.. 10c 10c 7½c

Escutcheon Pins—
Iron, list January, 1890....60%
Brass....65%

Enamelline—
No. 4, ₩ gro....$4.50
No. 6, ₩ gro....$7.20

Escutcheons
Door Lock, same dis. as Locks.
Iron, list January, 1890....60%
Brass Thread....65%
Wood....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....35%
Fenn's Cork Stops....33⅓%
Starr....60%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl lots 50&10%
Self-Measuring:
Enterprise ℔ doz. $36.00....33⅓%
Lane's ℔ doz. $36.00....35%
Enterprise Molasses Gates....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No 5.	No 5x.
Water Pails, 12 qt	$3.00	$3.5	$4.00
Dairy Pails, 14 qt. $3.33..		4.00	
Fire Pails, No. 2, 14 qt. $4 00	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)..	3.70		
Buggy Pails (short and light)..	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x. 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5 50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)..	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3. 0	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3 00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (process)....	3.50	4.00	4.50
Spittoons, 10 and 11½ inch	4 50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—

DOMESTIC—

Arcade....65%
Montgomery & Co., Special....65%
Nicholson Files, Rasps, &c....66⅔%
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagle....60&10&10@70%
New American....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't&50&10%

IMPORTED—

Moss & Gamble, List April 1, 1893..15%
Butcher....Butcher's list, 30%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—

Seed's Water Filters...$3 doz. net; $36 gross net.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base)....10%

Fluting Machines—

Knox....35%
Geneva Hand Fluter, White Metal, ℔ doz. $12.00....35&2%
Crown Fluters....30%

Fluting Scissors—

List....45%

Fly Fans—

Columbia....10%
Fowlers ℔ doz....$31.00
Keyless M. & I. Co. ℔ doz....$31.00

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Manure, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Ohio....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....30%

Fruit and Jelly Presses—

Enterprise Mfg. Co....25%
Henis....℔ doz $3.50
Shepard's Queen City....40%

Fry Pans—

Standard List:

No	0	1	2	3	4
℔ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
℔ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gauges—

Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....25&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....20&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ℔ doz $3.00 net

Gimlets—

Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....25&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ℔ gr $12....25@25&10%
Bell Hangers....50%

Glue—

Dodd's Liquid Glue....25&25&5%

Glue Pots—

Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Graters—

Enterprise....25%

Grindstones—

Family....50%
New York Pattern....20%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—

Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's....℔ doz. $6.50

Halters—

Covert Saddlery Works, List 1893.
Rope, ½ in. Jute....
Rope, ½ in. Hemp....
Web and Rope Halters....
Hemp Horse and Cattle Ties.
Jute Horse and Cattle Ties.
} 40%

Upson & Wooding....40%

Hammers—

HANDLED HAMMERS—

Maydole's....25%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co....
Fayette R. Plumb....
} 40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.35, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....75&10%
Stone....70%
Blacksmiths'....60&10%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....20@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ℔ doz....33⅓
Nos. 1, $3; 2, $6....33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterers Light, ℔ doz. $6.25.45%
Upholsterers Heavy, ℔ doz. $7.60 45%
Upholsterers Usual French, ℔ doz. $10.00....45%
Upholsterers Solid Steel, French ℔ doz. $20.00....30%
Upholsterers Rosewood Handles, ℔ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔....℔ ℔ 45c
3 to 5 ℔....℔ ℔ 38c
Over 5 ℔....℔ ℔ 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c℔ ℔

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%

STORE DOOR HANDLES—

Japanned....60&10%
Bronzed....60&10@66⅔%
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%

DOOR PULL—

Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....35@35%
Brad Awl....60%
Hickory Firmer Chisel, as ℔ gr 4.50
" Firmer Chisel, large ℔ gr 5.00
Apple Firmer Chisel, as.. ℔ gr 5.00
Apple Firmer Chisel, large ℔ gr 6.00
Socket Firmer Chisel, as. ℔ gr 8.00
} 30@40%
Worcester Leather Cap'd Chisel..25%
File, assorted....℔ gr 2.75
Auger, assorted....℔ gr 5.00
Auger, large....℔ gr 7.00
} 30@30&10%
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'....℔ set $1.25
Pat. Auger, Swan's....℔ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—

Atkins' No. 1 Loop, ℔ pair, 23c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—

Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track..55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&2%
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ℔ doz. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader..50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger....20&10%
Davis Hanger....20&10&10%
Stearns' Barn Door....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ℔ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger..20&10@25&10%
Warner's Pat....20&10@20&10&10%
Stearns' Anti-Friction....20&10@20&10&10%
Stearns' Challenge..25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $6.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00....30%

Hay and Straw Knives—

Lightning, Mfrs' price ℔ doz $18.00, 45%
Gem....℔ doz $10
Wadsworth's....40%
Carter's Needle..℔ doz $11.50@$12.00
Heath's....℔ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....℔ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap....30%
Screw Hook and Strap. 6 to 12 in., ℔ ℔ 3 9-10c; 14 to 20 in., ℔ ℔ 3 4-10c; 22 to 36 in., ℔ ℔ 2 9-10c
Heavy Weld ed Hood... 6 to 12 in., ℔ ℔ 3 9-10c; 14 to 20 in., ℔ ℔ 3 4-10c; 22 to 36 in., ℔ ℔ 2 9-10c
Screw Hook and Eye. ½ in., ℔ doz $1.50; ⅝ in., ℔ doz $2.45; ¾ in., ℔ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ℔ 100℔ $5.75, over 14 in., ℔ 100℔....$4.75

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts..40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....20%
Acme....30%
J. S....35&10%
Empire and Crown....20%
Stover Ideal ℔ gro....$13.00
New Idea ℔ gro....$13.00
Hero and Monarch....55%
American, Gem and Star....20%
Oxford....30%
Barker's Double Acting...25@35&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@30%
Chicago....30%
Wiles....10%
Devore's....40%
Rex....40%
Royal Japanned....60%
Royal Bronze....45%
Reliable....60%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔%

GATE HINGES—

Western....℔ doz $4.40, 60%
N. E....℔ doz $7.00, 55%
N. E. Reversible, ℔ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....℔ doz $5.00, 55&10%
Automatic....℔ doz $12.50, 50%
Keil's Superior....20%
Common Sense..℔ doz pair $4.50, 50%
Seymour's....45&10%
Shepard's....60&10&15%
Sargents....60%
Reed's Latch and Hinges...℔ doz $13.00, 50%
Long's Self Closing....50%

BLIND HINGES—

Barker....75&10%
Palmer....50&10&10%
Seymour....70&2%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 3, 5, 40 and 50....30%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....30%
Buffalo....30%
Clark's Genuine Pattern....30%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2½, 3....75&10&5%

Hoes—

HANDLED—

Garden, Mortar, &c....30%
Planter's Cotton, &c....30%
Warren Hoe....65%
Magic....℔ doz $4.00
Dunlap's:
Boys' hoes....℔ doz $3.00, 30%
Ladies' hoes....℔ doz $3.00, 30%
Souffle....30%

EYE—

D. & H. Scovil....20%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hog Rings and Ringers—

Hill's Improved Ringers, ℔ doz $1.35
Hill's Tongs....℔ doz $3.00
Hill's Rings...℔ doz bxs $3.15@$1.00
Perfect Rings..℔ doz bxs $1.60@$1.70
Perfect Ringers...℔ doz $2.15@$2.25
Blair's Hog Ringer ℔ doz $2.25@$2.50
Blair's Hog Rings...℔ doz 90c@$1.00
Champion Ringers....℔ doz $3.00
Champion Rings, Double, ℔ doz $3.25
Brown's Ringers....℔ doz $3.00
Brown's Rings....℔ doz $1.35@$1.50

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother.....40&5%
Hartford Silver-Plate Co., William Rogers Mfg. Co.....40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading, Clothes Line, Sargent's list.....60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@50&10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&5

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—
Nos. 6 7 8 9 10
Putnam.....23c 21c 20c 19c 18c....15%
American..9¾ 9¾ 9¾ 9¾ 9¾....net
Ausable.....28c 26c 25c 24c 23c. 40&5&5&2%
Clinton Fin.19c 17c 16c 15c 14c.30&10%
Essex.....28c 26c 25c 24c 23c. 40&10&5&5&2%
Lyra.....19c 17c 16c 15c 14c.40&10%
Snowden....19c 17c 16c 15c 14c.40&10%
Vulcan.....23c 21c 20c 19c 18c....25%
Northw't'n.25c 23c 22c 21c 20c. 25@25&5%
A. U.....25c 23c 22c 21c 21c. 25&10@33⅓&5%
C. B. K.....25c 23c 22c 21c. 21c 33⅓@33⅓&10%
Maud S.....25c 23c 22c 21c. 21c 40&10&5%
Champlain..23c 25c 25c 24c 23c 40&5&5&2%
Saranac.....23c 21c 20c 19c 18c..40&5%
Champion..25c 23c 22c 21c 20c. 10&10&10%
Capewell...19c 18c 17c 16c 16c..10&5%
Anchor.....23c 21c 20c 19c 18c.....35%
Western....23c 21c 20c 19c 18c.....50%
Empire Bronzed.....13@14c ₩ ℔

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$8.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
See Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen..	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen..	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen..	$65.34	$79.20	$108.90	$136.62	
Each...	5.45	6 60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen..	$14.40	$18.00	$20.64	
Each...	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen..	$23 40	$27.00	$ 2.40	
Each...	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1889.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔&5%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '86.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Meiting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $3.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 87 to 95.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 100 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....80%
No. 427.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$26	$50	$60

Perfection.....40%

Nos.	1	2	3
Each.	$3.00	$3.75	$4.00

Enterprise.....25%

Nos.	10	12	23	33	42
Each.	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8	
	$50	$75	$80	$225	.....20@25%

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ doz $4.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point₩ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $3.00, 15@20%
Turner & Seymour Mfg. Co..... 50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed Ot & T.....4.80c
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 8x1¾ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x⅝ to 1½, ₩ ℔.....24
" 2x3x⅛, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔.....2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔.....3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 4.00 1¼, ₩ ℔.....
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅛ to ⅝ ₩ ℔.....4.0

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No. 2, assorted sizes, ℔ ℔..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ℔ ℔..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼ ℔ ℔ .08
Washita Finish, about 8x2x¾ to 1¼ ℔ ℔..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ⅜ back x ⅛ to ¼ edge, ℔ ℔..... .20
Plain Slips, about 6x1⅜ to 2x⅜ to ⅝, ℔ ℔..... .12
Plain Slips, about 6x1⅜ to 2x⅜ to ⅝, ℔ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ℔ gross..... .80
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ℔ ℔..... .08
Small Axe, about 8x2x⅛ to 1 ℔ ℔..... .10
Special Axe, 2½x1¼x⅛ ℔ ℔... .18
Pike's Sandstones:
Small, 8x1⅛x1¼, weight about 1 ℔, ℔ ℔..... .05
Medium, 8 to 8½x2x1¼, weight about 1¼ ℔, ℔ ℔..... .06
Large, 8¼ to 9x2½x2, weight about 2 ℔. ℔ ℔..... .08
Small table, 9 to 9½x2½x2, weight about 4 ℔, ℔ ℔..... .06
Large Table, 10x4x3 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ℔ ℔ .80
No. 2, " ℔ ℔..... .40
Round Edge Slips, No 1, ℔ ℔. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per ℔ 70c..... 40%
Boston "Phœnix" Red Sheet, per ℔..... 50c. net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N. Y. B. & P. Co., 1846-Para.... 40&10%
N. Y. B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....℔ ℔ 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ℔ ℔
Russian Packing..... 14c ℔ ℔
Italian Packing.....12c@14c ℔ ℔
Cotton Packing.....15c@17c ℔ ℔
Jute.....7c@8c ℔ ℔

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....℔ doz $4.75
Baldwin.....℔ doz 5.25
Bonanza.....℔ doz 5.00
Daisy.....℔ doz 4.00
Dandy.....℔ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....℔ doz 12.00
Favorite.....℔ doz 5.00
Ideal.....℔ poz 4.00
Improved Bay State.℔ ds. $27@30.00
Little Star.....℔ doz 4.50
Monarch.....℔ doz 18.50
New Lightning.....℔ doz 5.50
Penn.....℔ doz 4.00
Perfection.....℔ doz 4.00
Pomona.....℔ doz 4.00
Rocking Table.....℔ doz 6.00
Turntable.....℔ doz 4.50
Waverly.....℔ doz 4.00
White Mountain.....℔ doz 4.00
72.....℔ doz 4.25
78.....℔ doz 7.00
Oriole, ℔ doz $5.00.....20&10%
Victor, ℔ doz $15.00.....20%
Gold Medal ℔ doz $3.50 net.
Scott's Pat. Rotary, ℔ doz $15.00, 20%
POTATO—
White Mountain.....℔ doz $4.50
Antrim Combination....℔ doz 5.50
Hoosier.....℔ doz 18.50
Saratoga.....℔ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....℔ gro $5.25
Dixon's Lead.....℔ gro 4.50
Dixon's Mascot, Round..℔ gro. $3.10
Dixon's Mascot, Hexagon.℔ gro. 3.38
Dixon's Lumber.....℔ gro 6.87
Dixon's Carpenters' ℔ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....℔ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....20%
Miscellaneous.....25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ℔ doz $5.50 net.
PLANE IRONS—
Butcher's.....$6.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & L. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....30%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 5% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ℔ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ℔ doz. $2.00; 6¼ in. ℔ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ℔ doz.....10%
R. I. Tool Co., Leg Irons, $35.00 ℔ doz.....10%
J. P. Lovell's Police Goods.....35%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....℔ gro $6.00, 10%
Gem.....℔ gro $4.50, 10%
Lustro.....℔ gro $4.75
Rising Sun, 5 gro lots.....℔ gro $5.50
Dixon's Plumbago..℔100 ℔ $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ℔ gr $10.00@$10.50
Round or Sq., 1½ qt..℔ gr $15@$15.50
Round or Sq., 2 qt. ℔ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....℔ doz $18.00, 25%
Disston's Pruning Hook.....℔ doz $12.20, 25&5%
Seymour Smith & Son's.....℔ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools. 40%.
Pruning Shears, Henry's Pat. ℔ doz.....$3.75@4.00 net
Henry's Pruning Shears ℔ doz $4.25@4.50 net
Wheeler, M. & C. Co.'s Combination.....℔ doz $12.00, 20%
Dunlap's Saw and Chisel....℔ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ℔ doz. 25%
Levin Pruner, No. 2, $13.00℔doz. 25%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@50&10%
Moore's Anti-Friction 5 in. Wheel, ℔ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15.00
No. 5, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 507, 3½ in. Deep Well Pump..... $17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump..... $15.00
No. 32, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump..... $14.00
No. 69, Fig. 332, 3½ in. Shallow Well Pump..... $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump..... $15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15.00
No. 73, Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 118, Fig. 418, 3½ in. Lift Pump..... $12.00
No 128, Fig. 510, 3 in. Lift Pump..... $7.00
No 131 Fig. 510, 3½ in. Lift Pump..... $8.00
No. 225, Fig. 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $13.50
No. 235, Fig. 403, Windmill Pump..... $14.50
No. 240, Fig. 406, Regulator Pump..... $30.00
No. 280 Fig. 404, Imperial Cyclone Pump..... $18.00
No. 265, Fig. 512, Cyclone Tank Force Pump..... $ 7.00
No. 267, Fig. 483, Geyser Tank Force Pump..... $17.00
No. 268, Fig 513, Low Down Tank Force Pump..... $16.00
No. 302, Fig. 477, Spray Pump complete..... $11.50
No. 320 Fig. 492, Bucket Spray Pump..... $5.50
No. 33[illegible], Fig 547, Knapsack Spray Pump..... $10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ℔ doz., 90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ℔ doz $2.50@2.60
Spring, Leach's Pat..... 15%
Bemis & Call Co.'s Springfield Socket..... 65
Bemis & Call Co.'s Spring and Check..... 50%
Solid Tinners', P. S. & W. Co. ℔ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co..... 20&2%
Rice Hand Punches..... 15%
Avery's Revolving..... 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots..... 33⅓%
Lesser quantities..... 25%
Niagara Hollow..... 20%
Niagara Solid..... 55%

Rail—
Sliding Door, Wr't Brass, ℔ ℔ 35c 25%
Sliding Door, Bronzed Wr't Iron.. ℔ ft. 7c
Sliding Door, Iron, Painted, ℔ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾ Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ℔ ft..... 7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet. $2.15 2.70 3.25...net
Terry's Steel Rail, ℔ foot.....4½c
Victor Track Rail, 7c ℔ foot...50&2%
Carrier Steel Rail, ℔ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz. net
Gibbs' Lawn Rake..net ℔ doz. $4.90
Gibbs' Canton Lawn Rake net ℔ doz $3.75
Gibbs' Favorite.....net ℔ doz $3.90
Gibbs' Acme.....net ℔ doz. $4.75
Gibbs' Crown, No. 1. net ℔ doz. $4.90
Gibbs' Crown, No. 2. net ℔ doz. $5.80
Gibbs' Hustler, No. 0 net ℔ doz. $4.25
Gibbs' Hustler, No. 1 net ℔ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless..... 65%
Fort Madison Steel Tooth Lawn Rake, $6.00..... 25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4	
Per doz	$1.40	1.50	1.80	2.25	30%
Boys' rakes..... ℔ doz $3.50					
Ladies' rakes, ℔ doz. No. 1, $3.00; No. 2, $3.50.					25%

Duval's Wood, ℔ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Grand, $1.1
Hay 12 teeth. [illegible] $2.40; No. 2 $3.10
Lawn, 23 teeth, $3.15; 24 teeth, $3.15
Sawdust..... $1.50
Gibbs' Garden:
Boss, No. 14.....net ℔ doz. $2.95
Boss, No. 18.....net ℔ doz. $3.10

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's AAAI, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889..... 50%
Electric..... List net
Campbell's Celebrated Warranted..... 50%

Refrigerator Hardware—
Francis Keil & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....50@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ¾c. ℔ ℔ less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....℔ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door..... 55%
Moore's Adjustable Stay..... 55%
Union Barn Door Roller..... 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 36 South Street, New York:
Manilla, 7-16 and larger. ℔ ℔ 7¾c
Manilla, ⅜..... ℔ ℔ 8¼c
Manilla, ¼ and 5-16..... ℔ ℔ 8¼c
Sisal, 7-16 and larger..... ℔ ℔ 5½c
Sisal, ⅜..... ℔ ℔ 6¼c
Sisal, ¼ and 5-16..... ℔ ℔ 6½c
Sisal Lath Yarn, medium ℔ ℔ 8½c
Cotton Rope..... ℔ ℔ 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ℔ ℔ 7 c
Manila..... ⅜in ℔ ℔ 7½c
Manila, ¼ and 5-16 in ℔ ℔ 8 c
Manila Hay Rope... ℔ ℔ 8 c
Sisal, 7-16 in. & larger ℔ ℔ 5 c
Sisal..... ⅜ in ℔ ℔ 6 c
Sisal, ¼ and 5-16 in ℔ ℔ 5½c
Sisal, Hay Rope..... ℔ ℔ 5½c
Sisal, Med. L'the Y'rn ℔ ℔ 5 c
1% for cash in 10 days.
Cotton Rope..... ℔ ℔ 11@13c net
Jute Rope..... ℔ ℔ 5@6c net

Rules—
Boxwood..... 30%
Ivory..... 50%
Miscellaneous, Stanley's..... 60%
Starrett's Rules and Straight Edges, Steel..... 25&10%

Sad Irons—
From 4 to 10 at factory....℔ 100 ℔ $2.50@$2.75
Self-heating.....℔ doz $8.00 net.
Self-heating, Tailors' ℔ doz $18.00 net
Gleason's Shield and Toilet..... 30%
Enterprise Star Irons..... 30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England..... 5c, 15%
Mahony's Troy Pol. Irons..... 15%
Sensible..... 20%
National Self-heating..... 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ℔ set..... $ .75 net.
No. 55, ℔ set..... .70 net.
No. 60, ℔ set..... .80 net.
No. 65, ℔ set..... .75 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net..... $8.40
Crown Sad Irons, No. 235, per dozen, net..... $9.00
Chinese Laundry, net ℔ ℔..... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper..... 50&5%
Emery Cloth..... 50&5%
Garnet Paper..... 30&5%

Sash Chain—
Giant..... 40%
Monarch..... 50%
Red Metal..... 40&10&10%
Steel..... 40&10&10%
Morton's:
Champion Metal..... 25%
Steel Cable..... 25%

Sash Cord—
Common.....℔ ℔ 10@11 c
Jute, good quality..... ℔ ℔ 11c
White Cotton Braided, fair. ℔ ℔ 25c
Common Russia Sash..... ℔ ℔ 16c
Patent Russia Sash..... ℔ ℔ 15c
Cable Laid Italian Sash ℔ ℔ 22½@25c
India Cable Laid Sash..... ℔ ℔ 14c

Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab..... 30&10%

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C Quality, White (only) 26½c @ 28c
Sylvan Spring:
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00...10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50...10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton....27c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....56c

Sash Fasteners, Holders, &c.—
Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....₩ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Ken.pshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security....70%

Sash Weights—
Solid Eyes....₩ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40&10%

Saws—
Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....20%
Gang, Drag & Mill....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....40%
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%

HACK SAWS—
Griffin's complete....45%
Griffin's Hack Saw and Blades....45%
Chatillon....30%
Butchers....25%
Star Butcher....25%

Saw Frames—
Star Hack....25%
White Vermont....₩ gro. $9.50@$10.00
Red, Polished and Varnished....₩ doz., $2.00 40%
C. E. Jennings & Co....20%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%

Saw Sets—
Stillman's Lever, Nos. 40, 45....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5 $31.00....40&20%
Perfect Saw Jointer....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Automatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets ₩ doz. $6.00
Hart's Pat Lever....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Valiant Royal"....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold....₩ doz., $15.00, 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%

Scale Beams—
Scale Beams, List Jan. 12, '92..50&10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%

Scrapers, &c.
Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....₩ doz., $4.00, 10%
Box, 2 Handle....₩ doz., $6.00, 10%
Defiance Box & Ship....20&10%
Foot....50&10@60%
Ship Common....₩ doz., $3.50 net
Ship, R. I. Tool. Co....10%

Screens—
Phillips:
Bonanza Screens....60%
Perfection Screens....6 %
Extension....50&10&5%
Flyer....50&10%
Window Screen Frames....60&5%

Screen Doors—
Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30&35%
Standard Oil....35&40%

Screw Drivers—
C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....5&5%
Disston's Pat. Excelsior....5&5%
Buck Bros....30%
C. T. Williamson Wire Novelty C....50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....₩ doz., 70@95c
Screw-Driver Bits, Parr's ₩ gro. $4.25
Frary's Hol. Hdle. Sets, No. 3, $12, 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ₩ doz....90c } 50%
Beauty, ₩ doz....$1.00 }
Wm. Johnson's:
13 A....70&10%
1351/4 Extra....70%
134 Ebonized Handle....70%
1.1½....75%
142 Ebonized Handle....70%

Screws
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron....85%
Round Head Iron....75%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....85%
Round Head Brass....75%
Flat Head Bronze....80%
Round Head Bronze....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws....87½%

MACHINE—
Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%

BENCH, HAND, ETC.—
Bench, Iron....70%
Bench, Wood, Beech. ₩ doz $2.00@2.25
Hand, Wood....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....80&5%
Bed....20&25%
Hand Rail, Barrett's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....5 &10%
Jack Screws, Millers Falls, without Roller Bearing....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%

Scroll Saws—
C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes Scroll Saw Blades....35%

Scythes—
Grain....40&5@40&10%
Grass....40&10%

Seeders—
Enterprise Raisin....25%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned....80&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60%
Japanned....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75%
Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Hatfield Sheaves....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s....60&10&
Sargent's list....60&10%
Reading list....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bos. at factory....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ lb 7½c
Perkins Improved Snow....₩ lb 4c
MULE—
Add $1 ₩ keg to above prices.
OX, WROUGHT—
Ton lots....₩ lb 9c
1000 lb lots....₩ lb 9½c
500 lb lots....₩ lb 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c....30%
Griffith's Black Iron....50&10
Griffith's C. S....60@5&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....30@30&7½%
Hussey, Binns & Co....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan., 1886....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%

Shovels and Tongs—
Iron Head....65@65&5%
Brass Head....65@65&5%

Sifters, Flour—
Hunters....₩ doz. $3.00

Slaw Cutters—
Enterprise....25%

Slicers—
Enterprise Vegetable....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres.
Banner Bolt Snaps.

Spoke Shaves—
Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....30%
Millers Falls....25%
Wm. Johnson's:
Wood, Best....30%
Wood, 2nd Quality....8⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co. 40 &15&15&10
L. Boardman & Son....50&12½%
MISCELLANEOUS—
German Silver....50@50&5%
German Silver, Hall & Elton. 50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron, Nickel-Plated....80%
Try Square and T Bevels. 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....80&25&10%
Extra Heavy....80%
Hooks and Staples....80&25&10%
Extra Heavy....80%
Hasps and Staples....80&25&10%
Extra Heavy....80%
Staples on Plates....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....20@25%
Reece's New Screw Plates....25%
Reversible Ratchet....30%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American....66⅔%
Steel....66⅔%
Swedes, S. S....66⅔%
Swedes, Lanc....62½%
Leathered....8 1/6%
American Cut Tacks....62½%
Swedes Iron Tacks:
S. S....62½%
Lanc....57½%
Upholsterers' Tacks:
S. S....66⅔%
Lanc....62½%
Gimp Tacks:
S. S....66⅔%
Lanc....62½%
Lace Tacks:
S. S....6 1/6%
Lanc....57½%
Trimmers' Tacks:
S. S....5 %
Lanc....50%
Looking Glass Tacks....33⅓%
Picture Frame Points....33⅓%
Basket Tacks....6 1/6%
Berry Box Tacks....6½%

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Trunk Tacks:
S. S ..... 66⅔&5
Lanc ..... 62½&5
Miners' Tacks, S. S ..... 66⅔&5
Bill Posters' and Railroad Tacks:
S. S ..... 66⅔&5
Lanc ..... 62½&5
Brush Tacks and Nails:
S. S 55%
Lanc ..... 5 %
Hungarian Nails ..... 57½&5
Common and Patent Brads 50%
Finishing Nails ..... 57½&5
Trunk and Clout Nails ..... 57½&5
Basket Nails ..... 5 %
Chair Nails ..... 4 %
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 8 ½&2% cash.
F. H. Cobbler Nails:
4 to 8in., and shorter, ₩ 100 lb $20.60
⅝ in. and longer, ₩ 100 lb ... $18.55
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No 18 & 19.	17 & heavier.
2 8&2½-8 in.	$60 0	$1.20
3-&3½ 8 in.	51.50	3\).15
4-8& longer,	4. 20	3\).45

SHOE FURNISHINGS—
Double Point... 85&10@85&10& 0%
Wire Carpet Nails.60&10@60&10&10%
Bill Nye Brad Boxes $4.00
Bonnie Blue ..... ₩ box $1.00
Claw Handle Carpet ... ₩ gr $ .00
Home Tacks No. 50, ₩ case (12 cartons), $6.00; No. 100, ₩ case (12 cartons), $ 2.00. 10 & 2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 40, ₩ case (12 cartons), $60.00. 5 & 2%.
Paris and Gilt Nails, carton 50%
Plymouth Rock Tacks.66⅔&5 & 3½&5 2%
Miniature Hog Tacks..66⅔&5 83½&5 2%
Upholsterers' Nails ..... 5 & 10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " .. 1.50

Taps—
American Screw Co.
Machine Screw 60%
Hand and Machine ..... 50&10%
Pipe 80%
Blacksmiths' Taper ..... 50&10%

Thermometers—
Dairy, Floating all glass ₩ doz.$1.50
Dairy, Zinc Flanged ..... 80&10%
Fancy 70%
Japanned Case ..... 80&10%
Combination with Barometer ₩ gro $20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co 33⅓%
Snips—"Clauss" 80%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887. 70&10@70&10&10%

Trammel Points—
Cook's 25%
Rule ..... 20&10%
Stanley's ..... 30&10%
Tower & Lyon 33⅓%
Jennings "Eureka" 25%

Tracks, &c.
F. E. Myers & Bro.:
Rev. Car, Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Sing'e rail Car, Single Steel T.$3 50
Rev. Car., Wood Track $3.25
Comb., Car., Wood Track.... $3.25
New Myers Iron Rod Car..... $2.75
New Departure Sling Complete. Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car.. Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps, ₩ ft..... 09
Single Rail Steel Track with clamps, ₩ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1 50
Walker Fork, each $1 15
Sprouts Shear Fork, each.... $1.40
Double Grapple Fork, each... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz..... $2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 455, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig 4 3, ₩ doz..... $1.65
Steel Frame Pulley with Iron Sheave, Fig. 455, ₩ doz.. $1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.. ..... $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz $2.00
Floor Hooks, ¾ in ₩ doz.. .65
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 12 in, ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz ..... .45
Malleable Rafter Brackets, ₩ doz ..... .45
Rope Hitch ₩ doz..... $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida:
Newhouse ..... 40&10%
Hawley & Norton ..... 70&5%
Victor ..... 70&10&5%
All Steel 75%
Star ..... 50&10%
Blake's Patent ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole ..... 8@10%
S.T ..... ₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 10%
Mouse, Cage, Wire.. ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50,15%
Mouse, Bonanza ..... ₩ gr $10.00
Mouse, Ideal ..... ₩ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer ..... ₩ gr $9.50
Rat, Keystone ..... ₩ gr $10.00
Rat, Exterminator ..... ₩ gr $12.00
Rat, Decoy ..... ₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse 50%
Improved Rat 40%
New Rat 40%
Schuyler:
Mouse, ₩ gross $18.00 ..... 50%
Rat, ₩ gross $30.00 ..... 50%
Household ..... ₩ gr $10.00
Erie Rat 50%
FLY—
Balloon ..... ₩ gr. $13.50
Electric Rod ..... ₩ gr. $16.50
Globe ..... ₩ gr. $18.50
Harper ..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering. .35%
Peace's Plastering 35%
W. & McP. Plastering. 35%
Richardson 35%
Rose's Brick ..... 15@20%
Brade's Brick 30%
Sargent's Garden, No. 1 ..... 70%
Sargent's Garden, No. 15 ..... 50%
Wm Johnson's:
Brick and Plastering 40%
Brick No 100 extra 30%
Pointing 40%
Corner 40%

Vises—
Solid Box ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw.... 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' ..... 20@10%
Holland's ..... 40@45%
Parker's ..... 20@35%
Wilson's 55%
Alligator 50%
Howard's 40%
Massey's Quick Ation ..... 20@25%
Bonney's ..... 40&10%
Millers Falls ..... 40@40&10%
Trenton ..... 40&5@40&10%
Merrill's ..... 15@20%
Sargent's 50%
Backus and Union 40%
Prentiss' ..... 20@35%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench ..... 25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.... 40&10%
Stearn's 40%
Stearn's Silent Saw Vises.... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 8.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co 40%
Clayton's ..... .25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%

Market:
Brt. & Ann., Nos. 0 to 18..... 72½%
Cop'd, Nos. 0 to 18 ..... 70%
Galv., Nos. 0 to 18 ..... 62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.... ....5¼c net
Galvanized Fence 65%
Malin's Annealed and Tinned on Spools ..... 60&5%
Malin's Brass and Copper on Spools ..... 50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass 55%
Brass, list Jan. 18, 1884 ..... 20%
Copper, list Jan. 18, 1884 ..... 35%
Barb Fence.....See Trade Report
Cast Steel Wire 50%
Stub's Steel Wire.....$6.00 to 8 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted ..... 80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft.,$1.45
Galvanized Wire Netting.....80&10%
Brass Cloth ..... 40@55%
Steel Bolting Wire Cloth..... 30@55

Wire Rope—
List, May 1, 1886.
Iron ..... 33⅓&2½%
Iron, Galvanized ..... 40&2½%
Cast-steel ..... 40&2½%

Wire Rope Clips—
Crosby 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy 50%
Alligator ..... 40& 10%
Hercules 70%
American Adjustable 40%
Armstrong's 40%
Baxter's Adjustable "S" 60%
Baxter's Diagonal 60%
Coes' Genuine 50%
Coes' "Mechanics'" ..... 50&10&5%
Girard Standard 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought ..... 30&5%
Eagle Pipe 50%
Taylor Pipe and Nut 40%
Stillson Pipe 45%
Trimo Pipe ..... 50& 10%
Wakefield Pipe and Nut. 40%
Bemis & Call's.
Pattern Combination Black 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern ..... 30&10%
Cylinder Gas Pipe ..... 45&5%
No. 3 Pipe 55%
Aiken's Pocket (Bright) $6.00.... 60%
Boardman's 30%
Always Ready ..... 3½@5%
Champion Carriage 40%
Donohue's Engineer 35%
Trimo Combination 40%
Cincinnati Tool Co:
Bit ..... 25&10%
Standard Brace ..... 25& 10%
J. H. Williams 25%
Lowell Ratchet 33⅓%
Lowell Socket Bridge 30%
Lowell Lag Screw 25%
Yankee 45%
Expert Bicycle ..... 33⅓& 10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$ 24.00
No. 30 Erie, 11 inch	27.00
No. 55, King, 11 inch	33.28
No. 45, King, 10x1¾ inch	2..00
No. 65, King, 11x2 inch	32.00
No. 2, "Ideal" 10 inch	15.50
No. 2, Zenith, 10 in h	16 50
No 3. Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch..	27.00
No. 99 Pittsburg, 11x2 inch....	31.00
No. 33, Nonpareil, 11x1¾ inch..	28. 0
No. 44, Nonpareil, 11x2 inch....	32.00
Peerless Mfg.Co., List Feb. '92 2% cash	
Colby Wringer Co.:	
No. 10 Rolls, 10x1¾ inches ...	21.00
No. 11 Rolls, 11x1¾ inches....	25.00
No. 12 Rolls, 12x1¾ inches....	29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 66c
Linseed City, Boiled, " ₩ gal. 69c
Out of Town or Spot..... ₩ gal. 66c
Calcutta, Raw, in bbls.... ₩ gal. 56c
Lard ..... 1¼@6 85

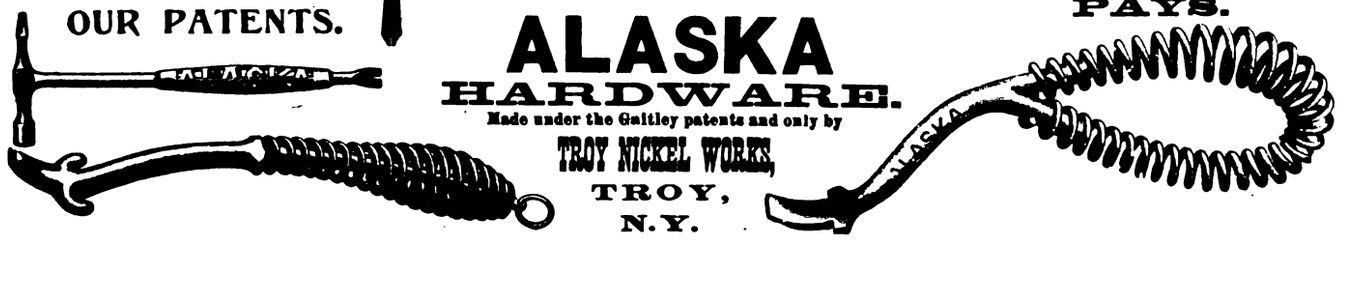
Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$28 00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ lb 5 @5½c
White Lead, American, in Oil, ₩ lb..... .....5 @5½c
White Lead, English, in Oil, ₩ lb 5½@7 c
Litharge, American Powdered, ₩ lb..... ..... 4¼@4¾c
Litharge, English Flake, ₩ lb 8½@9 c
Litharge, Glassmakers', ₩ lb 5½@6 c
Zinc, American, Extra Dry, ₩ lb 3½@1¼c

Putty—
Putty in Bulk ..... $1.45@$1.75
Putty in Bladders ..... $1.65@$2 00
Putty in Tins ..... $2 02@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal 33c

Colors in Oil—
Black Coach Japan ₩ lb..18½@20 c
Black Coach Japan in Oil..... ₩ lb 12 @13 c
Black Drop ..... ₩ lb 7½@10 c
Black Lampblack, prime, ₩ lb 27½@33 c
Black Lampblack, medium..... ₩ lb 15 @2) c
Black Lampblack, 2d quality..... ₩ lb 18 @19
Black, Lampblack, low grade ..... ₩ lb 6½@10 c
Blue, Chinese..... ₩ lb 35 @40 c
Blue, Prussian ..... ₩ lb 2) @ 0 c
Blue, Ultramarine.. ₩ lb 1) @1) c
Brown, Sienna, burnt ₩ lb 7 @10 c
Brown, Sienna, raw. ₩ lb 7 @10 c
Brown, Umber burnt ₩ lb 7 @10 c
Brown, Umber, raw. ₩ lb 7 @10 c
Brown, Vandyke.... ₩ lb 7 @11 c
Green, Chrome..... ₩ lb 8 @14 c
Green, Paris.. ... ₩ lb 14 @18½c
Red, Indian ..... ₩ lb 12 @15 c
Red, Venetian..... ₩ lb 4½@ 8 c
Yellow, Chrome..... ₩ lb 13 @18 c
Yellow, Ocher, French ₩ lb 4½ c

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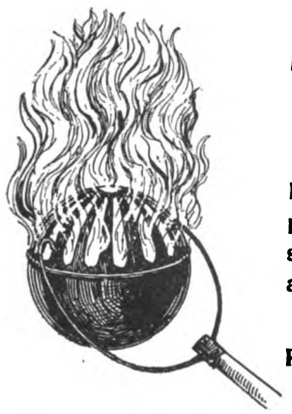
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Withington & Cooley Mfg. Co., Jackson, Mich.

Annunciators.
Patrick & Carter Co, Philadelphia, Pa.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

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Bridgeport Gun Implement Co., New York.
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Forehand Arms Co., Worcester, Mass.
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J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
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Reading Hardware Co., Reading, Pa.

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American Axe & Tool Co., New York.

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Bridgeport Brass Co., Bridgeport, Conn., and New York.
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Jos. Dixon Crucible Co., Jersey City, N. J.

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See Rubber Belting.

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Indiana Bicycle Co, Indianapolis, Ind.
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Monarch Cycle Co., New York, Chicago.
Mossberg Wrench Co, Attleboro, Mass.
New York Belting & Packing Co., Ltd., New York.
Pope Mfg. Co., Boston,
Premier Cycle Co, New York.
Wm. Read & Sons, Boston, Mass.
Remington Arms Co., New York.
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Supplee Hardware Co., Philadelphia.
Prince Wells, Louisville, Ky.

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Bicycle Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

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Miner & Peck Mfg. Co., New Haven, Ct.

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See Tackle Blocks.

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Vegetable Boiler Compound Co., Utica, N. Y.

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Divine Bros., Chadwicks, N. Y.

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Russell & Erwin Mfg. Co., New York.
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Ferris Mfg. Co., Chicago, Ill.

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John Chatillon & Sons, New York.

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Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

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Bissell Carpet Sweeper Co., Grand Rapids, Mich; New York.

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Gwinner Mfg Co., Hamilton, O.

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C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

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Hugh Campbell Co., Boston.
New York Belting & Packing Co., Ltd., New York.

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Buckeye Churn Co., Sidney, Ohio.
Smith & Whittier, Boston.

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Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
Ossawan Mills Co., Norwich, Ct.
Ramson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

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John Chatillon & Sons, New York.
Clauss Shear Co., Fremont, Ohio.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Millbury Razor Co., Millbury, Mass.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
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Gibbs Mfg. Co., Canton, O.

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Empire Desk Co., New York.

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Russell & Erwin Mfg Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham, New York.
Partrick & Carter Co, Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.
Sterling Emery Wheel Mfg. Co, Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence R. I.
Sickels, Sweet & Lyon, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Forks.
Iowa Farming Tool Co., Fort Madison, Iowa.
Withington & Cooley Mfg. Co., Jackson, Mich.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Exley Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gears.
Boston Gear Works Boston.
T. F. Welch & Co., Boston.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
A. W. Dodd & Co., Gloucestre, Mass.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hangers, Eave Troughs.
John W. Bell & Co., Mercer, Pa.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co, Hamilton, O.
T. W. Houchin, New York.
Matthai, Ingram & Co., Baltimore Md.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoes.
Iowa Farming Tool Co., Fort Madison Iowa.
Witherington & Cooley Mfg. Co., Jackson, Mich.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Menders.
C. E. Hudson & Co., Leominster, Mass.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg Co., Philadelphia
Samuel C. Tatum Co., Cincinnati, Ohio.
White Mountain Freezer Co., Nashua, N. H.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H Angus, Albany, N. Y.

Japanning.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Mossberg Wrench Co., Attleboro, Mass.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg Co, New York.

Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Blair Mfg. Co., Springfield, Mass.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Underhill, Clinch & Co., N. Y.
White, Van Glahn & Co., New York.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.
Withington & Cooley Mfg. Co, Jackson, Mich.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lawn Tools
Withington & Cooley Mfg. Co., Jackson, Mich.

Lead.
Bruce & Cook, New York.

Levels.
Stanley Rule & Level Co., New Britain, Con, New York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Boston Gear Works (Gears only), Boston.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Ossawan Mills Co, Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metal Statuary.
Fred. F. Bischoff & Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co, Rockford, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago

Oil Cans
Star Mfg. Co., Canton, Ohio.

Oilgas and Oil Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work
Fred. F. Bischoff & Co., Chicago.

Packing.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

Planes.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co, New York and Chicago
White, Van Glahn & Co., New York.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Presses.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Bellevue Pump Co., Bellevue, Ia.
Comstock & Coonse Co., Indianapolis, Ind.
Deming Co., Salem, Ohio.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.
St. Joseph Pump Co., St. Joseph, Mo.

Punching and Shearing Presses.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

Raisin Seeders.
Geo. H. Mason & Co., Boston.

Rakes.
Ashtabula Tool Co, Ashtabula, O.
Gibbs Mfg. Co., Canton, O.
Iowa Farming Tool Co, Fort Madison, Iowa.
Underhill, Clinch & Co., N. Y.
Withington & Cooley Mfg. Co., Jackson, Mich.

Rat and Mouse Traps.
See Traps.

Refrigerators.
Wisconsin Refrigerator Co., Eau Claire, Wis.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.

Roller Skates
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York
Saml. Winslow Mfg Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co. Canton, O.
Fred. F. Bischoff & Co., Chicago.
Merchant & Co., Philadelphia.

Roof Snow Guards.
Folsom Snow Guard Co, Boston.

Roofing Tin.
Merchant & Co., Philadelphia.

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd, New York.

Rubber Mats.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sash Balances.
Caldwell Mfg. Co., Rochester, N. Y.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
E. E. Brown & Co., Philadelphia, Pa.

Saws.
American Saw Co., Newton, N. J.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading Pa.

Scissors Sharpeners.
Eastman & Co., New York.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Drivers.
Tower & Lyon, New York.

Scythe Snaths.
Iowa Farming Tool Co., Fort Madison, Iowa.
Withington & Cooley Mfg. Co., Jackson, Mich.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Union Hardware Co, Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Snow Guards.
Folsom Snow Guard Co., Boston.

Solder.
Bruce & Cook, New York.

Sootene,
Roy all Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Boston Belting Co., Boston.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoneware.
F. H. Weeks, Akron, O.

Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.

Stove Pipe.
Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.
Wm. A. Sweetser, Brockton, Mass.

Tapes.
Boston Tape Mfg. Co., Boston.
Keuffel & Esser Co., New York.
Lufkin Rule Co, Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Telephones.
W. P. Harrison & Co., Columbus, Ohio.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
American Specialty Co., Hartford, Conn.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co, Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Garvin Machine Co., N. Y.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.
Tuck Mfg. Co., Brockton, Mass.
Ulrich Mfg. Co., Rock Falls, Ill.
L. & I. J. White Co., Buffalo, N. Y.
White, Van Glahn & Co., New York.
Withington & Cooley Mfg Co., Jackson, Mich.

Torches.
Smith & Whittier, Boston.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.
G. L. Van Namee Mfg. Co., Gouverneur, N. Y.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Gibbs Mfg. Co., Canton, Ohio.
Charles Morrill, New York.

Washers.
Boston Belting Co., Boston.
Milton Mfg. Co., Milton, Pa.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches
Robert H. Ingersoll & Bro., New York.

Watering Pots.
Marthai, Ingram & Co., Baltimore, Md.

Wheelbarrows.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Window Screens.
Edward Darby & Sons, Philadelphia.
A. J. Phillips Co., Fenton, Mich.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
White, Van Glahn & Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Novelty Wire Goods Co, New Haven, Conn.
A. J. Phillips Co., Fenton, Mich.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia
Gilbert & Bennett Mfg. Co., New York and Chicago.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Lathing
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Atlas Tack Corporation, Boston
Bruce & Cook, New York.

Wire Work.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wood Mantels.
Ironton Wood Mantel Co., Ironton, O.

Wrenches, Manufacturers.
American Saw Co., Trenton, N. J.
Coes Wrench Co., Worcester, Mass.
Gwinner Mfg Co., Hamilton, O.
Samuel Hall's Son, New York.
Tower & Lyon, New York.
Spaulding Machine Screw Co., Buffalo, N. Y.

Wringers.
Colby Wringer Co., Montpelier, Vt.
National Wringer Co, Canton, O.

Wrought Butts.
Reading Hardware Co., Reading, Pa.

Zinc.
Bruce & Cook, New York.

Unsolicited Testimony.

COPY OF LETTER.

SPRINGFIELD, OHIO, February 21, 1895.

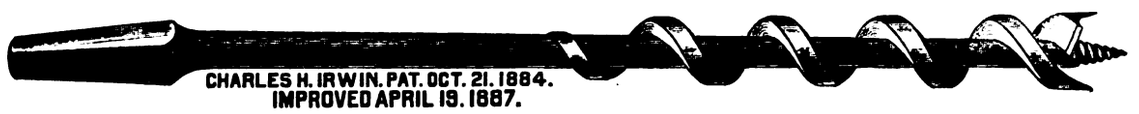
IRWIN AUGER BIT COMPANY, Wilmington, Ohio.

Gentlemen:—We send by same mail one of your Machine Bits, which, without dressing or handling in any way, has bored 57,000 holes 4 1-2 inches deep, and is still good. It has such a record that the party felt you would be glad to know it.

Yours, etc.,

THE SPRINGFIELD HARDWARE CO,

Per Wiseman.



CHARLES H. IRWIN. PAT. OCT. 21. 1884.
IMPROVED APRIL 19. 1887.

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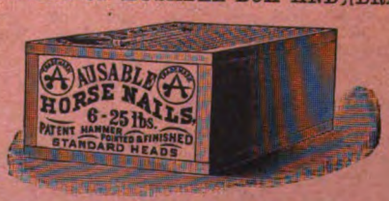


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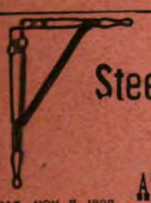


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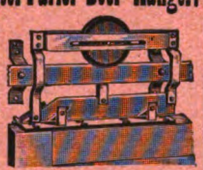


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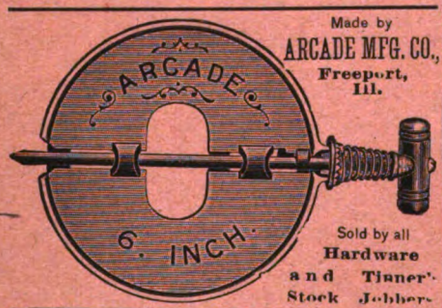


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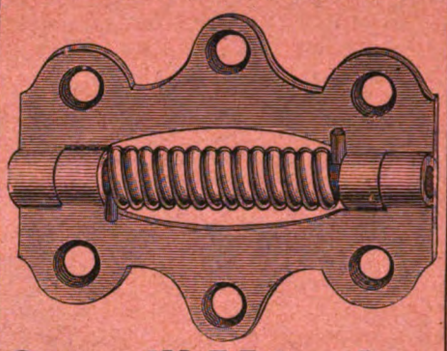
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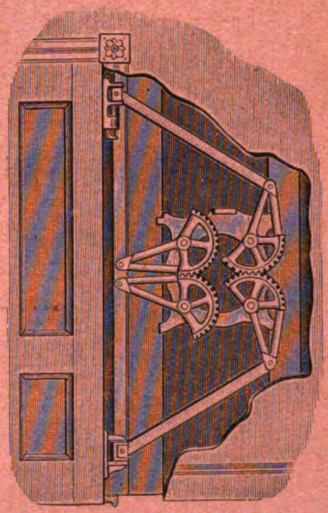


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This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so-called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

MILITARY, MINING AND BLASTING POWDER.

LAFLIN & RAND POWDER CO., 29 Murray Street, New York City.

BRANCH OFFICES:

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In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

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NAILS

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Iron & Steel Cut Nails

STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

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GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

Du Pont's Eagle Ducking.
Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

Du Pont's Rifle.
For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

Du Pont's Smokeless Powder.
Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

MILITARY POWDER AND ***GUN COTTON***
Of a quality to meet requirements of U. S. Army and Navy.

MINING AND BLASTING POWDER.

—Send Postal for Illustrated Catalogue.—



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BRANCH WAREHOUSES:
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THE OLDEST AND MOST EXTENSIVE MANUFACTURERS

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Over 1500 Sizes and Styles for use in House, Farm and Factory.

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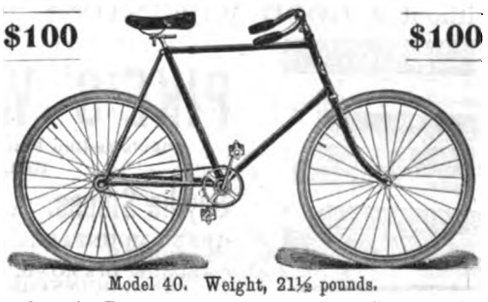
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COLUMBIA BICYCLES.

$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.
Unequalled—Unapproached.

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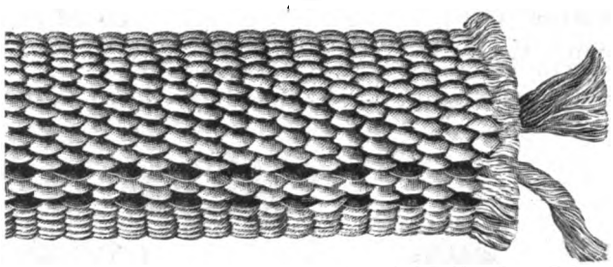


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THIS LABEL. SEAMLESS TUBE HOSE PAT'D NOV 18 90 DEC 2 90 THIS LABEL.



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WARRANTED 2 X L
HIGH GRADE.
ALUMINUM.
OLD GOLD.



These Brands:
DOUBLE BLUE LINE COTTON.
HIGH PRESSURE.
BUCKEYE.
SHAMROCK.

CLEVELAND RUBBER WORKS, of The Mechanical Rubber Co., **Cleveland, Ohio, U. S. A.**

REPAUNO CHEMICAL CO.,

MANUFACTURERS

ATLAS AND JUDSON POWDERS

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REPAUNO GELATINE.

A FUMELESS EXPLOSIVE FOR TUNNEL WORK.

Our High Explosives are Standard and Guaranteed to run Uniform.

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Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,

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—Send for description, price lists, etc.—





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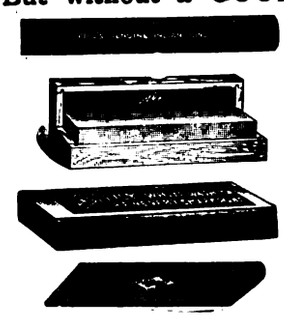
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Sabin Machine Co., Montpelier, Vt.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Soythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
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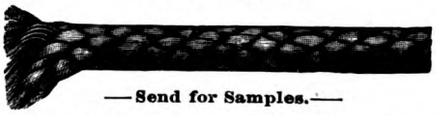
Oil and Water Stones.

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ARKANSAS,
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RAZOR HONES,
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AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

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CHERRY STONERS.

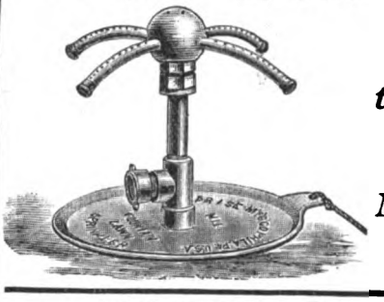


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No. 1, Japanned, $7.50 per dozen.

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LAWN SPRINKLERS.



Indispensable to a Well Kept Lawn.

No. 1, $3.50.

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FRUIT & JELLY PRESS,

TINNED.

Invaluable for making Wines, Jellies & Fruit Butters.



Price, . $3.00

RAISIN SEEDER,

TINNED.

Will Remove Every Seed Without Waste.

PRICE.

No. 36, . $1.00



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FOR SALE BY THE HARDWARE TRADE. SEND FOR CATALOGUE, FREE.

The Sterling Emery Wheel Mfg. Co.,

TIFFIN, O.

EASTERN AGENT:

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174 Fulton Street,

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CUTTER, WOOD & STEVENS,

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Boston



MANUFACTURERS OF

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AND

Corundum Wheels.

HALL'S IMPROVED PIPE WRENCH.

An Entirely New Tool.



Grips quickly and firmly, *galvanized* as well as other pipe, *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

GET OUR LITTLE BOOK. FREE.

SAMUEL HALL'S SON, 229 WEST TENTH STREET, NEW YORK.

Truss Bottomed FLAX FIBER Pails

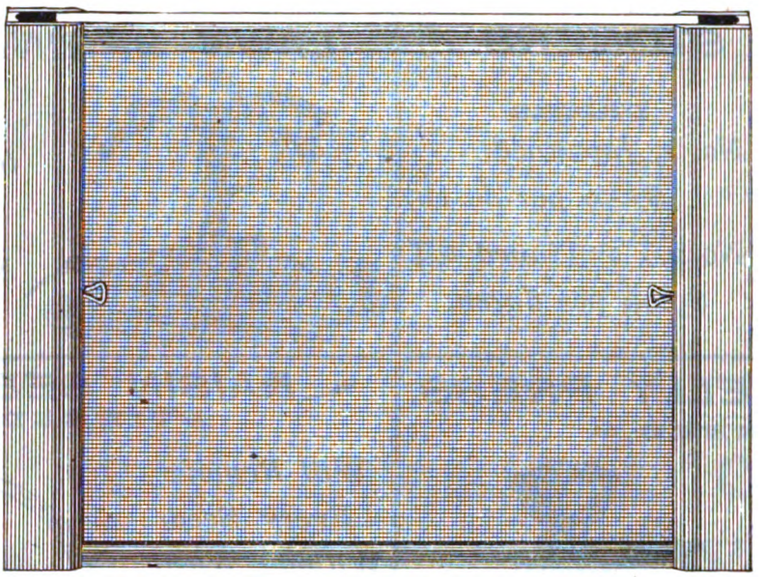
Overcome all objections. They **are not** clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They **are** strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the **truss bottom** holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him **free,** express charges **unpaid,** a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.

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The Best Adjustable Screen is appropriately called

THE "HANDY."



MADE IN EIGHT SIZES.

A FEW OF ITS SUPERIOR POINTS ARE:

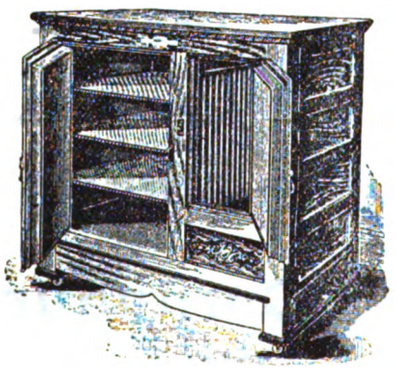
1st. EASE IN HANDLING.—The hook-shaped pull-bars fastened securely in the centre of the sliding ends afford a ready hold for convenience i placing and removing the screen at the operator's will.
2d. When placed under the sash, it will readily adjust itself to windows in square or out of square.
3d. The Screen is made of hard wood, natural color, finished in oil, and is the neatest, lightest and strongest screen made.
4th Has Box Panels, making both sides alike.

Manufactured by **Pennsylvania Screen Co.**

Sole Agents, **John H. Graham & Co.,**
113 Chambers Street, New York.

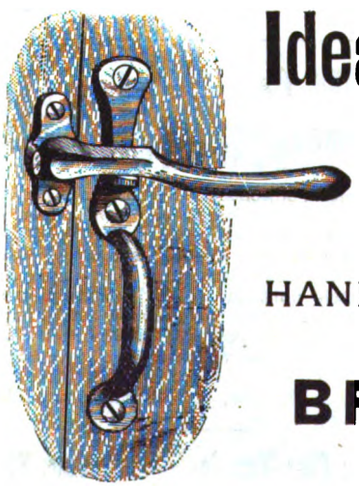
The Automatic Refrigerator

has more good points and does better work than any other, and for that reason is a better seller. Our illustrated catalogue for 1895 tells all about the line. Its advantages are:



Perfect circulation.
Large condensing and purifying capacity.
It has no flues to cause it to smell bad.
The trap is inside where it cannot be misplaced or lost.
The drip pipe may be cleaned without disturbing anything in either chamber, and is entirely out of the way.
It has nine walls to protect the ice and to maintain a uniform temperature in the cooling chamber.
It has woven wire provision shelves that are superior.
It has superior hardware.
It is more capacious and convenient.
Flavors of foods will not mix.
Last but not least, it's different, and will bring new customers and new trade.
We want the leading dealers to handle our goods and but one dealer in a place.
The goods are made of ash, and well finished.
For catalogue and discount address:

COLUMBIA REFRIGERATOR CO.,
Northville, Wayne Co., Mich.



Ideal Refrigerator Door Fastener.

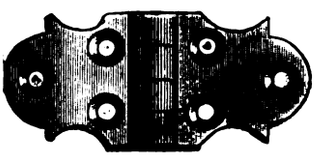
SIMPLE,
DURABLE,
PRACTICAL.

HANDLE AND WEDGE COMBINED.

MANUFACTURED BY

BRABSON BROS.,

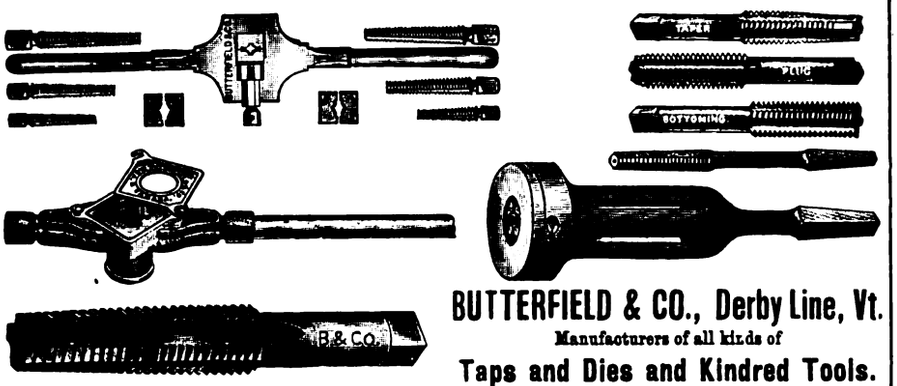
NEWARK, N. J.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

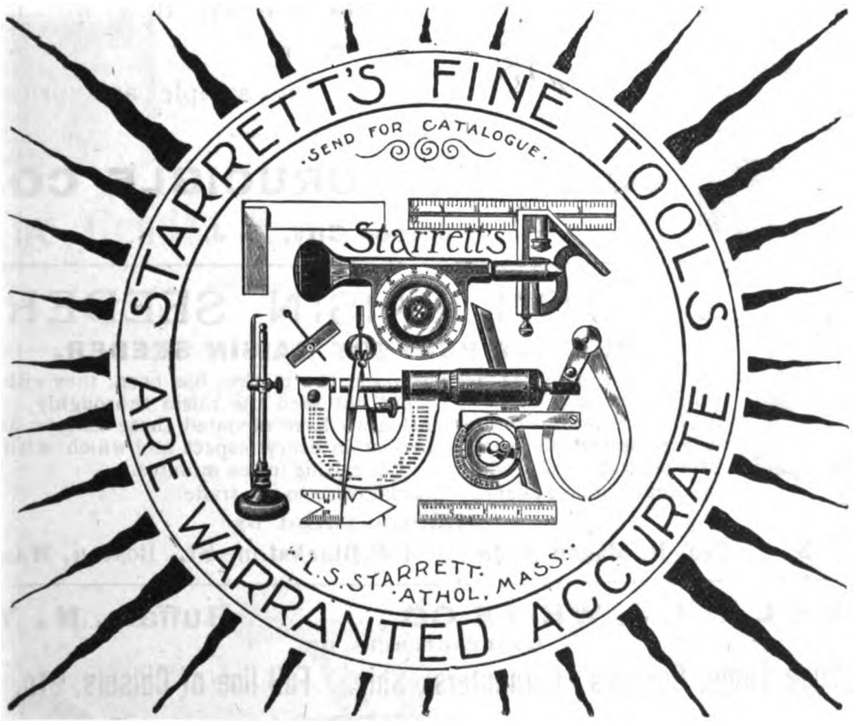
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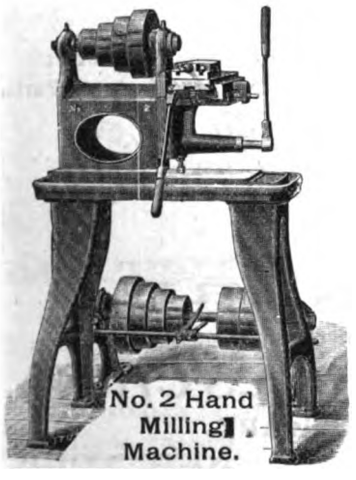
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BUTTERFIELD & CO., Derby Line, Vt.
Manufacturers of all kinds of
Taps and Dies and Kindred Tools.

THEO. M. HASS,
MANUFACTURER OF
Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.
Goods to Order a Specialty. Dies and Tools.
176 CENTRE STREET, (Opposite Earle's Hotel) **NEW YORK.**





Can You Not Use
One of these
HAND MILLING MACHINES
IN YOUR BUSINESS?
Write us for Photo and Prices of THIS and our OTHER
MILLING MACHINES, SCREW MACHINES, CUTTER AND DIE GRINDERS, HAND LATHES, TAPPING MACHINES, SPRING COILING MACHINES, PROFILERS, GEAR CUTTERS and
METAL WORKING MACHINERY
OF EVERY KIND.
A Large Stock of New and Second-Hand Machinery Always on Hand.
Illustrated Catalogue, lists and prices furnished on application.
THE GARVIN MACHINE CO.,
Laight and Canal Sts., New York,
and 51 North 7th St., Philadelphia, Pa.

WIRE & IRON WORK.



The AMERICAN KNIFE SHARPENER.
PATENTED FEB. 23, 92.
Notice Bearing of Cutting Edges.



Absolutely Guaranteed

This Sharpener must not be confounded with any other on the market, as the quality and temper of the steel permits obtaining a razor edge, while the adjustment of the cutters insures durability. Send for trade discount. Sample by mail 25 cents.
MOSSBERG WRENCH CO.,
Manufacturers of Novelties, Attleboro, Mass.

You have no risk on the quality.
We make only the best.



Sand Papers IN Reams and Rolls
- Flint Paper
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Wool FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

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100 LAKE STREET, CHICAGO.

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WE KEEP IN STOCK

Grindstones,
Mounted Grindstones,
Scythe Stones,
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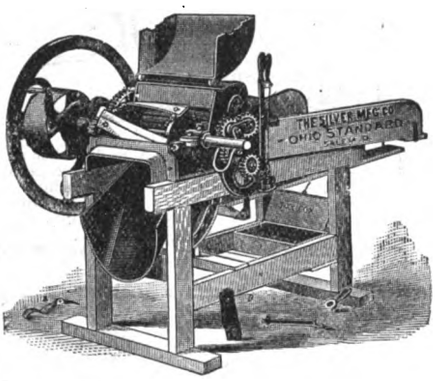
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Chicago, Ill., Office 706 Tacoma Building.
33 & 33 Sleeper St., So. Boston, Mass.

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The "Ohio" Ensilage and Fodder Cutters.



Large and Complete line of SPECIAL ENSILAGE and GENERAL PURPOSE Machines.

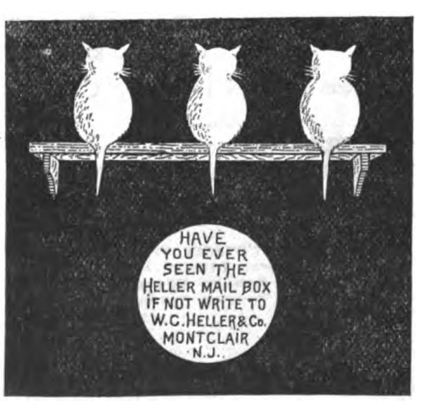
THE SILVER MFG. CO., Salem, Ohio.



The Best to Buy,
The Best to Sell,
And the Best to Use,
—:IS:—

The Crystal Valve Oil Can.

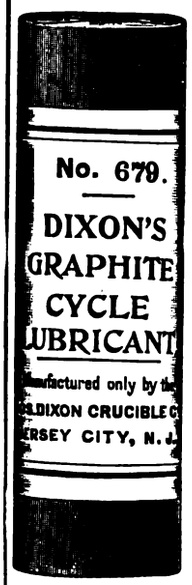
The Handsomest. Best and most reliable on the market.
WRITE FOR CIRCULARS AND PRICES.
STAR MANUFACTURING CO., CANTON, OHIO



Reduced Prices for Painter's Colors

Send for our new (March 1, '95) net dealers price list for the Lawrence Colors in Oil. Quality, as before, unsurpassed. We want your trade, and if the best goods at closest prices count with you we should have it.

W. W. LAWRENCE, - - Pittsburgh and Buffalo.



Do You Sell Bicycles?

We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.



BOSTON RAISIN SEEDER.

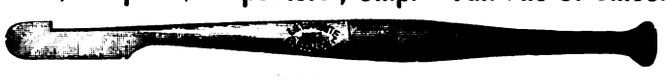
THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by
Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.

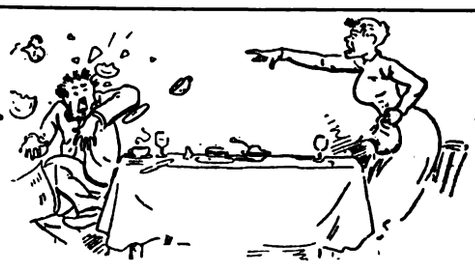
THE L. & I. J. WHITE CO., Buffalo, N. Y.
MANUFACTURERS OF
Edge Tools, Coopers', Carpenters', Ship. Full line of Chisels, etc.



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DRESDEN:
33 Werder Strasse.

LIMOGES:
46 Route de Paris.



LEONARD'S VIENNA CHINA AT FIRST HANDS.

P. H. LEONARD,

—Manufacturer and Importer—

VIENNA CHINA, LIMOGES CHINA,

AND FOREIGN GLASSWARE.

76 & 78 READE ST., NEW YORK

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Cream Cans

With Plain Covers.

With Deep Covers.

With Extra Deep Covers.

Self-Locking.

Fairmont Cream Can Gauges.



Cream Can Trimmings.

Cream Can Bottoms, IX, IXX, IXXX.

Cream Can Covers, Plain, Deep, Extra Deep.

Self-Locking Trimmings.
Ears, Lugs and Bails.

The Geuder & Paeschke Mfg. Co.,

MANUFACTURERS,

Milwaukee, Wisconsin.

NEW
GALVANIZED
WATERING POTS.



Improved Spouts. Deep Deflected Bottoms.

MADE OF GOOD MATERIAL.

Galvanized after being put together.

THE BEST LOOKING AND BEST MADE WATERING POT YET OFFERED.

MADE ONLY BY

MATTHAI, INGRAM & CO.

ALSO MANUFACTURERS OF A FULL LINE OF

Stamped, Pieced and Japanned Tinware, Mottled Enameled Ware, Galvanized Iron Ware, and Sheet Metal Goods.

Factory and Salesrooms, BALTIMORE, MD.

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CHICAGO: 237 Lake Street.
G. M. Richardson in charge

THE
"Sure Grip"
Steel Tackle Block



will hold load at any point without fastening the rope; it is the best on the market.

It pays Hardware Dealers to handle them.

Send for Catalogue.

ESTABLISHED 1852.

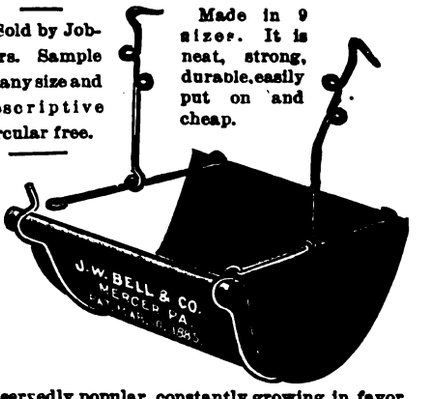
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Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

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CHAS. A. CONKLIN MANUFACTURING CO.,
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If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

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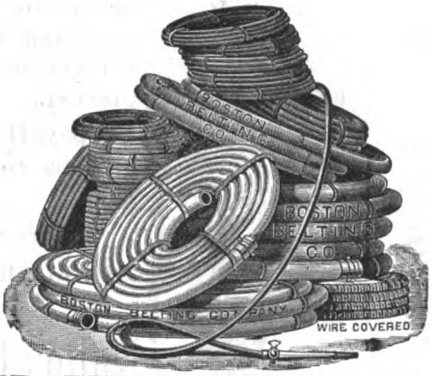
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.

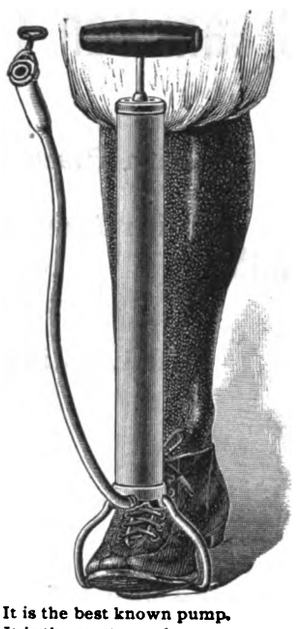


RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | **NEW YORK:** 100 Chambers Street.

—Salesrooms:—

14 North 4th St...Philadelphia, Pa.
26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa.
8-10 E. Michigan St. Duluth, Minn.
248-252 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
137-9 S. Meridian St. Indianapolis, Ind
237 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
390 East Water St. Milwaukee, Wis.
4 Monroe St., Grand Rapids, Mich.



WHY YOU SHOULD CATALOGUE AND SELL

THE HEATH BALL VALVE PUMP

And PATENTED

UNIVERSAL COUPLING.

It is the best known pump.
It is the most popular pump.
It sells easier and in larger numbers.
It gives satisfaction to the user.
All parts broken or defective, returned, replaced free.
It works easy and has great capacity.

It is fitted with our patent Universal Coupling.
We own the patent covering this device and have never sold the right to use it; it will be reserved for our pump and the benefit of our customers.
Infringers will be prosecuted.
Electros sent free on request.

RETAIL PRICE $2.00.

Liberal Discount to the Trade

Electros Free for Catalogue Purposes

Sole Manufacturers.

S. F. HEATH CYCLE CO.,

Minneapolis, Minn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

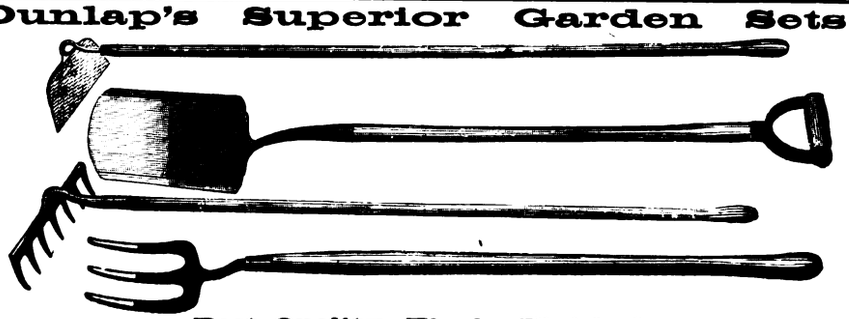
Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Garden Sets.



Best Quality, Finely Finished.

No cast iron used in the manufacture of these goods. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

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P. . STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER.

KEARNEY & FOOT FILES.

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST NEW YORK

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."



GENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere

Each tool bears one of the marks here shown. SEND FOR PRICE LIST.

BUCK BROS. CAST STEEL
BUCK BROTHERS

EDGE TOOL MFRS. MILLBURY, MASS.



BUCK'S HEAD.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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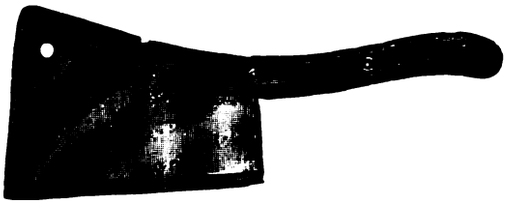
MANUFACTURERS OF

SCALES

—AND—

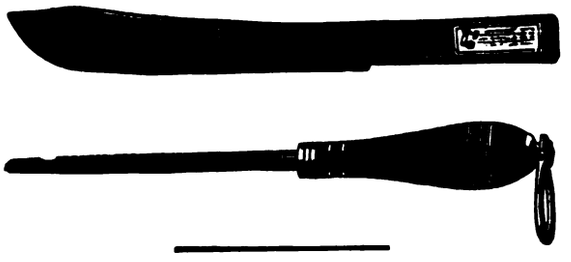
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

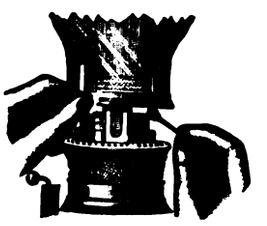
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

The



B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place

—"The B & H"—

is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light They are made in the Largest variety of styles and Handsomest Finishes



We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

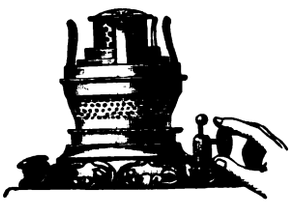
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.



Ratchet Wick-Raising Movement.



Patent Lighting Lift. Shows Lighting Without Removing Shade or Chimney.

THE "ROYAL"



No. 866 Royal Lamp.

Has the *only* chimney lift which will stay in position while lighting the lamp.

It is the only lamp with the Ratchet Attachment to raise and lower the Draw Bar giving perfect control of the wick. It gives more light for the wick exposure and consumption of oil than any other lamp taking same size wick.

THE "BANNER" OIL STOVE.



Banner Stove. Height, 26 inches.

Will heat a room 15 to 20 feet square. No chimney. No smoke. No odor. Get one for your Bed, Bath and Smoking Room, Library, Nursery, Office or Conservatory.

SOLE MAKERS,

The Plume & Atwood M'f'g Co.

New York City. Chicago,. Ill

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Withington & Cooley Manufacturing Co.,

JACKSON, MICH., U. S. A.

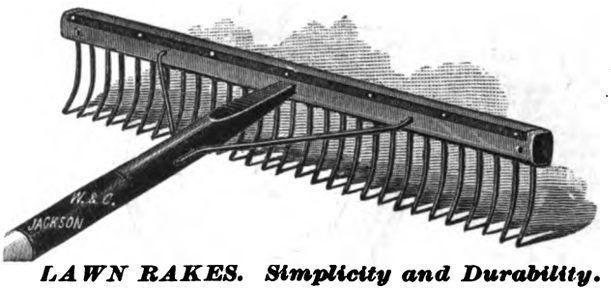
The Season is here. **« LAWN · TOOLS »** We Have Them.



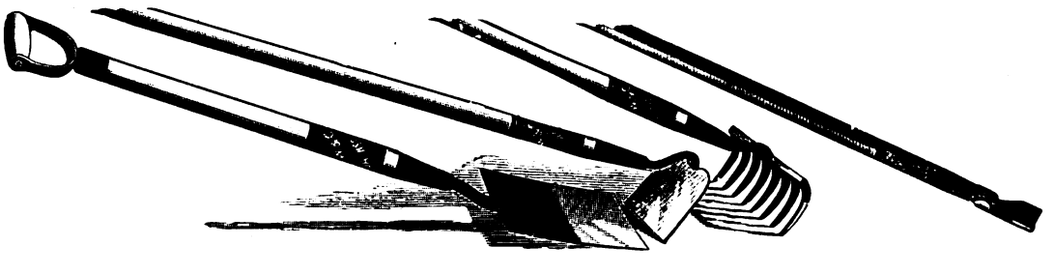
SHUFFLE HOE.



THISTLE OR WEED CUTTERS.



LAWN RAKES. Simplicity and Durability.



FLORAL SETS. Four Tools; not toys, but made in a first-class manner. Serviceable, of best material. Hoe and spade have forged steel blades, brightly polished. Rake is of malleable iron, latest pattern, and polished. Dandelion Spud is needed in every lawn or grass plat.



TURF EDGERS.

Also a full line of Farm and Garden Tools. Send for Catalogue and Prices.

The Forks which are attracting so much attention

THE

VICTOR {Braced / Shank} FORKS



Of one piece of steel.

Made in

Manure and Header Fork Patterns.

Patented.

MADE ONLY BY

The Iowa Farming Tool Co.,

Fort Madison, Iowa, U. S. A.

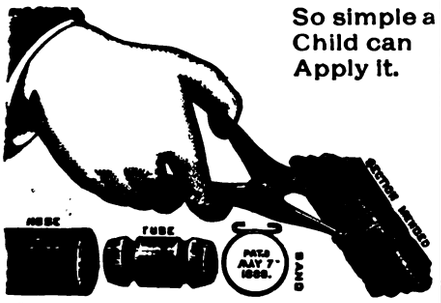
Manufacturers for more than 40 years for home and foreign trade of

Forks, Hoes, Rakes, Scythe Snaths, Grain Cradles, &c., &c.

Illustrated Catalogue on Application.

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Hudson's . . . . Garden Hose . . Mender . . . .



Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in these goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

CLIMAX WATCH



FOR

$2.00

American
Lantern
Pinion
Stem Wind
¼ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McPartlin

THE

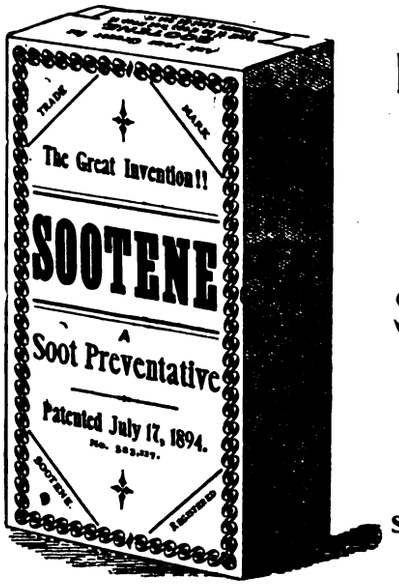
NATIONAL SAW CO.

GENERAL OFFICE— NEWARK, N. J.

Manufacturers of **SAWS** Of Every Description

Get the Best
Keep Posted

Send for Descriptive Lists



SOOTENE.

SOOTENE SERMON No. 3.

In the Spring

The housewife fancies that the Stovepipe's full of soot—so she Takes it carefully down and Finds her worst fears realized Because she has not used

SOOTENE

She'll know more next Fall, as Her grocer has posted her on The merits of the article.

Pays a good profit to the Retailer.

ROYALL GIVENS,
Corpus Christi, Tex.

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

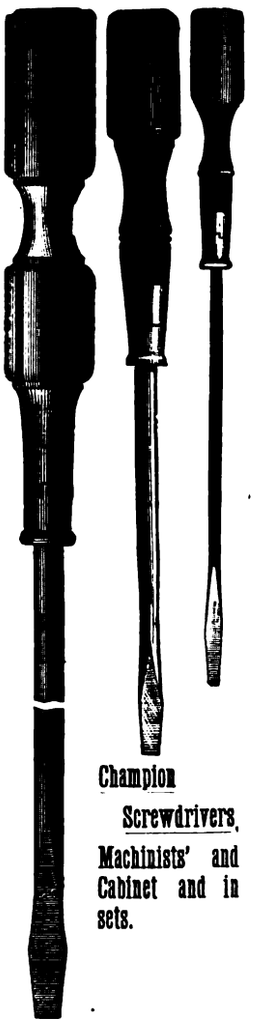
Models, Special Tools

And the manufacture of all kinds of

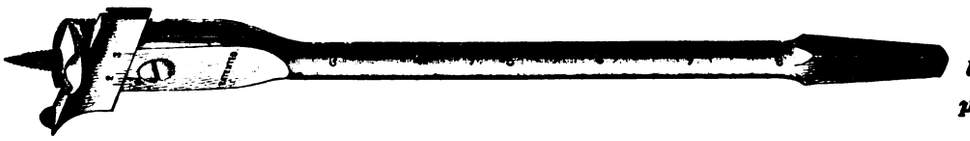
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

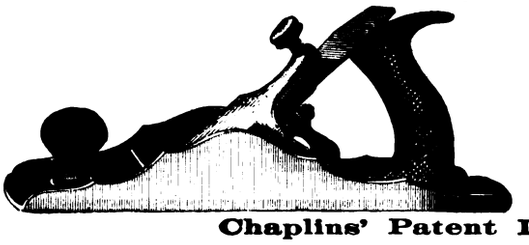


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.



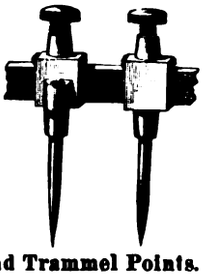


Corrugated Face.

Chaplins' Patent Iron Planes.



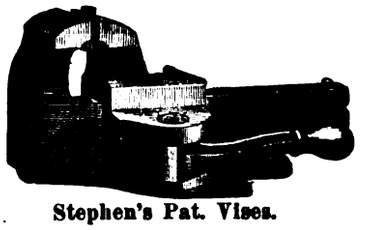




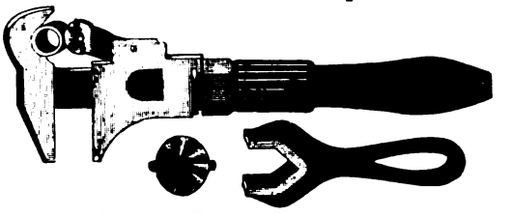




Unique Levels for Sqr. Plumb Bobs and Trammel Points. Mall Lamps and Oilers



Stephen's Pat. Vises.



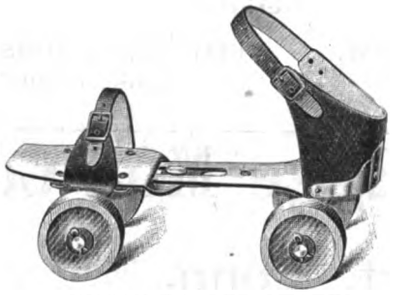
Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers **Padlocks, Police Goods, Etc.**

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



EXTENSION ROLLER SKATES.

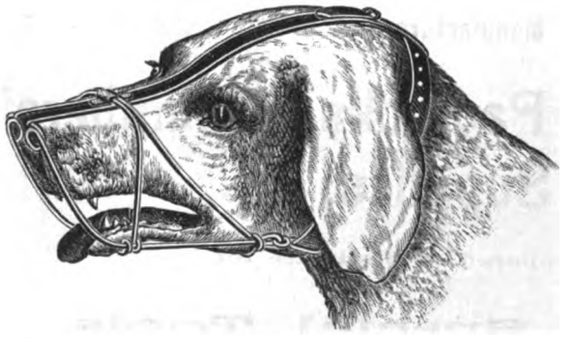




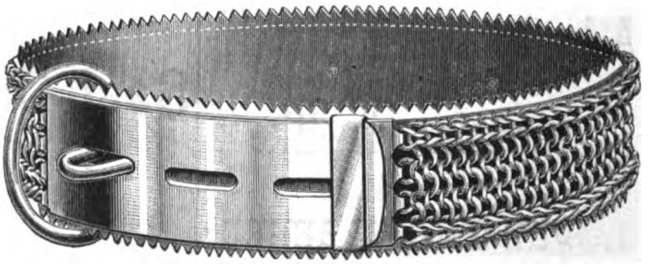
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

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95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

New York Office in charge of TOWER & LYON.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE ATKINS SAWS TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



TRADE MARK.

THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	¼—¾	½—1	¾—1⅞	1½—2½	2¼—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.

WE ARE HEADQUARTERS FOR

STEEL TAPES.

Don't buy foreign goods when you can buy a better article of domestic manufacture.

We manufacture the best and most complete line of these goods in the market.

LUFKIN RULE CO., Saginaw, Mich.

NEW YORK OFFICE, 21-2 Murray Street.

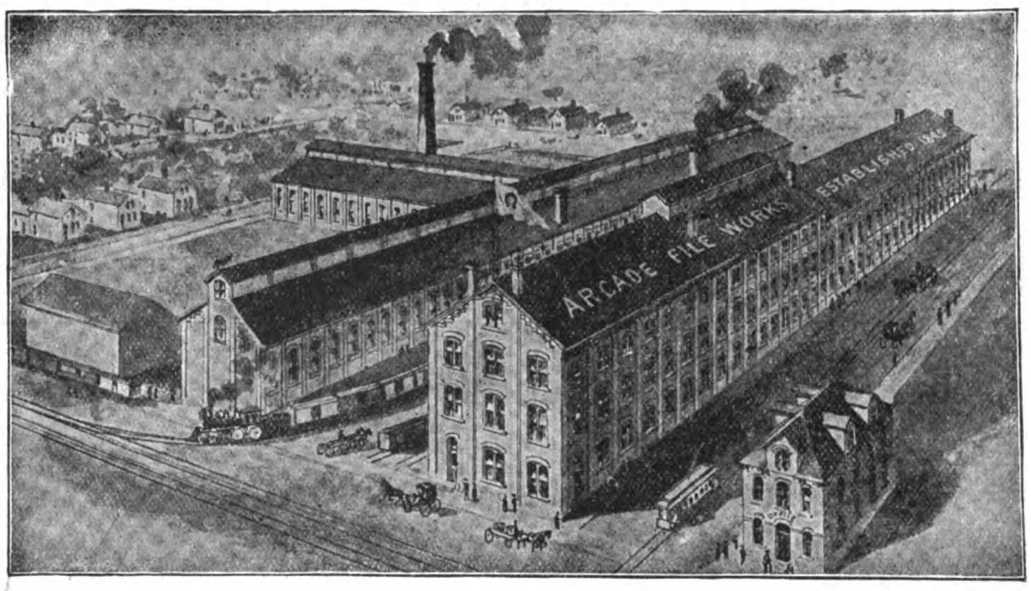
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

Eastern Office and Warehouse, 83 READE STREET, - NEW YORK CITY.



Western Office and Warehouse, 23 LAKE STREET, - CHICAGO, ILL.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the Improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.



ASBESTOS TORCH

For destroying Caterpillars and other Insects. Very useful as a Fishing Torch. Order sample lot.

Price, $4.00 per doz.
50 cents each.

HERO CHURNS.

The Best and Lowest priced Barrel Churn in the market. Can be sold at prices other makes cost.



Smith & Whittier, Selling Agents,

116 & 118 North St., Boston.

Wood Fibre and Tin Ware.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

NICHOLSON FILE COMPANY

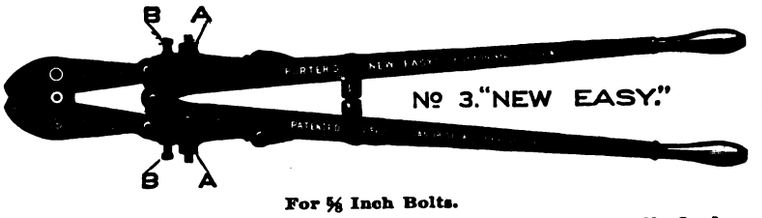
PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties, Increment Cut Files and Rasps.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

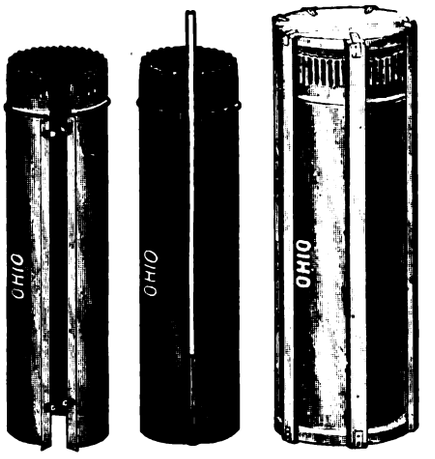
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizse:

4 in....per crate. 4½ in.... " 5 in....per crate. 5½ in.... " 6 in....per crate. 6½ in ... " 7 in....per crate

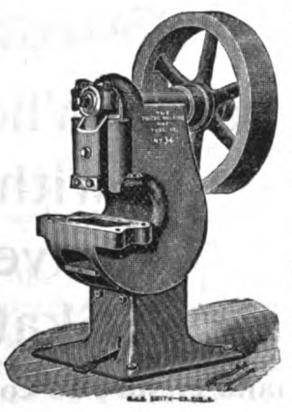
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
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HARDWARE

VOL. XI. MAY 10, 1895. NO. 3.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
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THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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HARDWARE will keep open house at Section No. 14, in the Sportsmen's Exposition, Madison Square Garden, from May 13th to 18th, inclusive. Our friends are invited to call, and can count upon a hearty welcome.

The two articles contributed to HARDWARE by Sam Haines—a citizen of the Hardware world at large—upon the selling of American goods in foreign countries, are from the pen of one who has in person investigated the question, and knows practically whereof he speaks. The suggestions to manufacturers and exporters found in to-day's issue—especially those relating to credits—are valuable. A great deal of money may possibly be saved by adhering to the simple rules he lays down.

Col. Albert A. Pope is still keeping up his good work in favor of improved public highways. A monograph upon the making of State roads in Massachusetts has just issued from his pen, and is replete with information of value to all who are interested in a like reform in other parts of the country. Arguing from the experience of the Old Bay State, the writer declares that: "Every State should make a beginning on road improvement. In thinly-settled regions of the country, where the people do not feel able to undertake much, they can do no better than to start the reform by constructing sections of single-track roads. No community can afford to neglect the common roadways."

The Coming Sportsmen's Exposition.

The first Sportsmen's Exposition, which will open in Madison Square Garden, New York, on Monday next, is an event of national importance, and marks an era in the history of the great interests there represented. The movement was successfully set on foot in this city some months ago, and all that was hoped for or promised by the projectors, so far as may lie in preparation, has been accomplished. The officers of the newly-formed association have worked with energy, and have shown admirable judgment as to the needs and purposes of an exhibition of this character; the dealers in and manufacturers of sporting goods, and sportsmen generally, have rallied to their support; and when the Garden is thrown open to the public, on Monday next, there will be much that is well worth seeing—that will repay more than one call, whether the visitor be a sportsman or not. Elsewhere in this issue will be found a full description of what may be there seen; and a perusal of the same will show that a great deal more is embraced in an exposition of this character, than guns, ammunition, canoes, etc. The artistic side of the sportsman's life is shown, as well as the material.

It will be a sad commentary upon the sportsmen of America and their friends, if there is not a generous attendance, in recognition of the high purpose held by the originators of this movement, and of the arduous labors by which they have brought this great object lesson of out-door life to the public view. We have, however, no fear upon that score.

Five Hundred Active Members.

On May 7, 1895, there were enough gentlemen elected to the New York Hardware Club, to reach the constitutional limit of five hundred resident members, and a waiting list containing several names has already made its appearance. It is only eleven months since the Club rooms were opened, and the organization had a being otherwise than that of mere patient waiting and faith in a material future. The occasion is certainly one for congratulation, by the individual members whose loyal enthusiasm has made this record possible; by the Club, as an organized force for good in many directions; and by the great trade of which it is a worthy exponent. It was long since an admitted fact that the Club, in the mere nature of things, must be a success; but even the most sanguine hardly looked for such abundant fruits in so brief a time. We have already called attention to the early retirement of nearly one-half of the bonds issued a year ago, and have shown that financially the organization stands upon a rock. It is no venture into prophecy, to say that the Club will remain as a permanent monument to the Hardware trade of New York. The needs that brought it into being, will keep it alive; the good it will do, will widen and increase with age and opportunity.

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Mr. Haines on American Hardware in Europe.—II.

EDITOR HARDWARE: It is unnecessary for me to state that while we were, and still are, a large agricultural country, and that agriculture is perhaps the leading industry in these United States, it is a fact that the manufacturing and industrial pursuits have in the last quarter of a century taken such a leap ahead, that we naturally must seek a market throughout the world, even if it does bring us in competition with the industries and manufacturing enterprises that were full grown and controlled the market even before we began, twenty-five years ago.

Our manufacturers in the main considered the foreign field as a mere "dumping ground" for surplus products, and the exporting of goods was, by many manufacturers, considered only as a convenience in this way; that is, hold up the prices at home, and cut the life out of price abroad, this exports goods and gets rid of stock that could not be marketed here at home. This has now, I am glad to say, all changed and the leading manufacturers, totally regardless of tariff, are imbued with the idea that we, of this great "Yankee Nation" can manufacture "stuff" in competition with any other manufacturer, live he where he may.

Take a steamer and cross over in it to some foreign country, it matters little where one goes; he will find American manufacturers and other representatives going abroad seeking a legitimate market for a legitimate product, at the same prices and conditions on which the goods are sold at home. Very many of these trips are experimental trips, or I might say educational trips, seeking to learn what is wanted, and what we have to compete with, both as regard quality and price; and if prices are found to be favorable, it is pretty sure the quality of the goods will prove to be also.

To the novice, or the manufacturer who has no export trade, but seeks to get it, I would say, send out your samples —if you cannot go yourself—judiciously, and send them just exactly as you propose to send the goods, providing orders follow. Do not be too anxious to get full value for these samples, because oftentimes in sending them into a new market, it will be found that they are not just exactly what is wanted, but by making some slight changes our goods can be shipped to the end of the world, so that if the samples are disposed of at half price it will prove a good investment; and if the small loss entailed is charged to advertising account the probabilities are that it will prove as advantageous to the manufacturer, as all his ads in your most estimable paper.

A thing to be avoided in exporting goods of any character is that of shipping indiscriminately to people unknown, who simply have a fine letter-head, and can, and do, promise very large returns in the pay of orders, *providing prices* and *goods prove satisfactory*. Many and many a dollar has been lost, simply by over-anxiety to secure foreign trade.

All reputable merchants who wish to purchase American goods, are perfectly willing to, and expect to, establish bankers' credit on this side of the water for the payment of their bills, and unless the buyer is willing to do this, my advice to the manufacturer would be, never make the first shipment. I could tell you of more than one lot of goods that I have stopped by cable from being delivered, and when the cash was demanded as against bill of lading, the would-be-buyer has proven to be a myth. There are a large number of concerns in many cities throughout the whole world who get a fine living out of American manufacturers by ordering goods in some such way as above. Another point I would like to make is this: A manufacturer who desires an export business should not expect to "jump into it," so to speak, because the reputable buyer does not move rapidly, does not change certainly and entirely, simply because he is asked to do so, but the superiority of American goods, generally speaking, will work their way if the above conditions are complied with, and I look forward before the year 1900 comes, to see this country having a much larger export trade in her manufacturing industries than she has to-day on the imports of the old world industries.

If it were not that I might be accused of trenching into the political domain, I would like to say something about our consuls. I will merely mention the fact, which is greatly to be regretted, that our consuls seem to be generally selected in payment for some political service rendered to the party in power for the time-being. The export of American goods could be much more rapidly increased if our consuls were business men, or men who understood the character of the goods manufactured in the districts to which they are accredited, or if he comprehended the character of the goods that might be brought in from this country, in other words, our consul at Sheffield should be a man who is familiar with the character of the goods made, bought and sold in the Sheffield district, and the same is true of Lyons and Vienna. In fact it is true everywhere. Very often the American manufacturer or his representative may call at the United States Consulate, and being a total stranger, he seeks information, which he is presumptuous enough to suppose he will find in the consul's office, and to his great surprise he finds oft times the consul does not know as much as he does, which is next to nothing. This a very large and important subject.

Yours very truly,

Indianapolis, April 30, 1895. S. A. HAINES.

Elevated Alleviations.

The trade journal HARDWARE urges the development of the elevated roads to their full capacity for usefulness. It says very truly that it will be several years before the underground system can be completed, and argues that "with third-track express service and ferry connections the present elevated system could be of vastly greater usefulness to the public than at present, and by the time the underground road is constructed there would be traffic enough to tax all our transit facilities to their utmost."

There is force in all this, and the construction of a spur from the Sixth Avenue line at Chambers Street to the New Jersey ferries would be in the line of the proposed development. So, too, are the new express trains on both the Sixth and the Ninth Avenue lines. The people of New York will gladly consent to any extensions of the elevated roads that will not interfere with the construction and successful operation of a real rapid transit system such as the voters have approved. They object to anything that will prevent their getting "to Harlem in fifteen minutes," instead of forty or sixty minutes as now. We even think that public sentiment would now approve the building of the additional track asked for in Battery Park some time ago, to avoid the delay in reversing at that terminal. The great increase in travel due to the growth of the west side and of Harlem renders quicker service a public necessity.—*New York World.*

Out of 530 tin plate mills in South Wales about one-half are now idle, about 90 having been closed at the commencement of the present month. The chief cause of the depression is the largely increased production of tin-plates in the United States, where the manufacture has been greatly stimulated by the exceptionally low price of steel billets.—*Hardwareman, England.*

One of the household novelties in England is a natty little pepper mill for table use, shaped as a churn. It is nickel-plated, and prettily finished, and many buy it merely for ornamental purposes.

The West End Hardware Co., of Duluth, have incorporated, with a capital stock of $10,000.

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The Hardware Buyer.

The Man in the Corner of the W. Bingham Co.'s house, Cleveland, discusses the Hardware Buyer in these words:

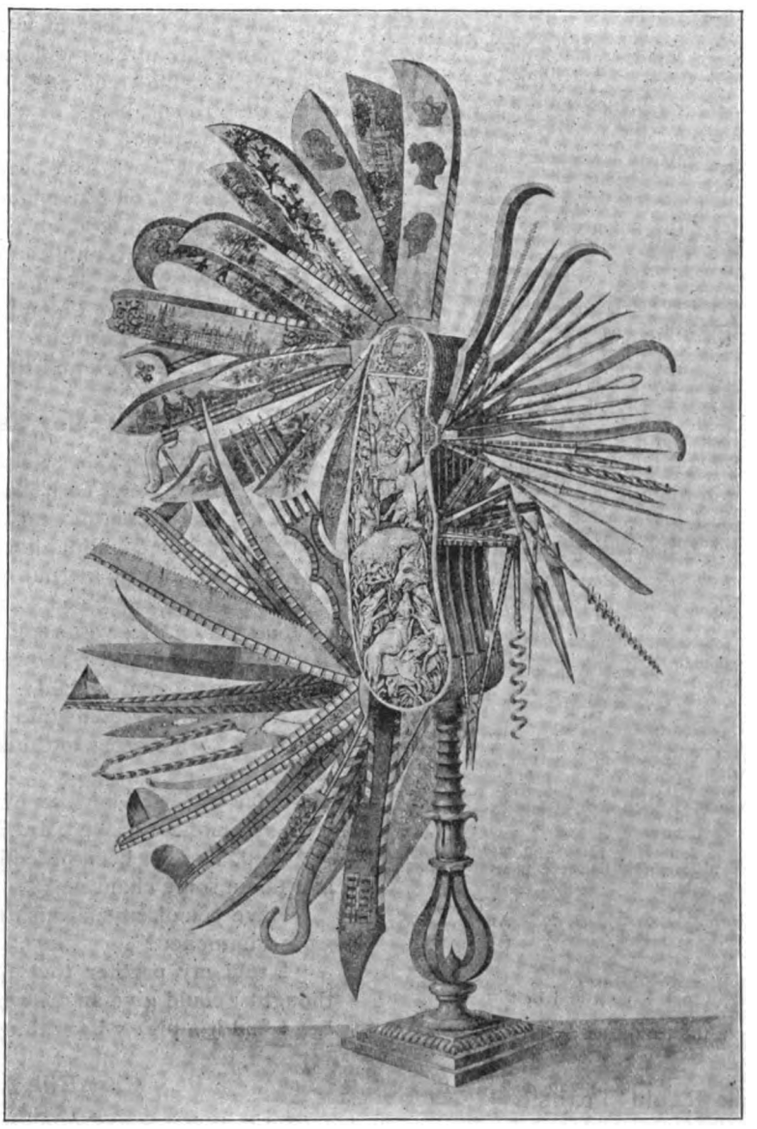
With many of the details of the jobber's establishment you are doubtless familiar, but there is one part of the business with which you seldom it ever come in contact—the buying. It is this which determines the standing of the house among its competitors, for upon the ability of the buyers to select the right goods and to buy them at the bottom prices depends the success of the men on the road. There is no one who has the interests of the Hardware trade more at heart, or does more to even up inequalities and harmonize conflicting interests than the jobber's buyer. The manufacturer who sells inferior goods or who asks an exorbitant price has no love for him; the manufacturer's salesmen seek to cover their mistakes and excuse disobedience to orders by calling him a liar; the crank with a useless invention to market thinks him a cumberer of the ground, and his house's salesmen are prone to criticise him, but he pursues the even tenor of his way, and by his shrewdness, far-sightedness and long-headedness puts many an extra dollar in your pocket. With his greater experience and broader outlook he protects you against the flood of poor goods made to sell, and by keeping in close touch with manufacturers and watching the tendency of trade, knows very nearly the commercial value of a thing as soon as presented.

His position in the trade is peculiar and requires peculiar qualifications. The qualities that make a good salesman and those that make a good buyer are as different as chalk is from cheese; he is as analytical, cold-blooded and conservative as the salesman is positive and enthusiastic; investigating and weighing everything, taking a short cut through specious argument and flowery speeches to test goods by his own standards and trying to see things through your eyes. A personal friend with a sample is as a stranger and an alien in the same place. In a general way the buyer knows the process and cost of manufacture of the principal lines and the extent to which variations in the metal market affect the cost, and with this information he is enabled to test the statements of salesmen. In fact, it is no uncommon thing for him to know more about the goods than the poorly posted man who essays to sell him.

The good buyer is always honest. It is a mistaken idea that the "sharp" man with a "For Sale" tag on his veracity and a propensity to violate confidences is the right one to do the buying, for his character is soon known and the measure he metes out is meted to him again. There is every artifice used to draw the buyer from the narrow path of rectitude and pervert his judgment, from the mellowing influence of a good story, insinuating flattery and delicate deference to his judgment to a cash bid for his orders, and it requires a close attention to facts and fignres to always keep in the right track.

A Marvel of the Cutler's Art.

Through the kind offices of Alfred Field & Co., No. 93 Chambers Street, New York, agents for Joseph Rodgers & Son, Sheffield, Eng., we are permitted to here illustrate and describe that wonderful Norfolk Sporting Knife, which is famous the world over, and is well described as "a marvel of the cutlers' art." This is undoubtedly the handsomest specimen in its line the world has ever seen. It was made by Joseph Rodgers & Sons, in the years 1849 and 1850, being finished in the year last named, and was first exhibited at the Great Exhibition at the Crystal Palace, London, in 1851. In it are eighty blades and articles, most of the blades being ornamented with hand etchings by the celebrated artist Fleming, of views of notable buildings and places in Great Britain and the United States of America, among which may be mentioned Windsor Castle, Arundel Castle, the seat of the Duke of Norfolk, Chatsworth House, the Palace of the Peak, the seat of the Duke of Devonshire, York City, and others in England; the Capitol and White House at Washington being representative of the United States.



All the articles and blades are different in character, and close up into the handle. They are made from the highest grade of crucible cast steel, the grinding being done by special workmen. The length of the handle is 15 inches, being of carved pearl, one side representing a boar hunt, and the other a stag hunt. The carving is by a Sheffield man, and is of great beauty and artistic merit. The bolsters are of solid gold, the value of the weight used of this metal being upwards of £7, or nearly $35. When open the knife stands three feet in height, and weighs seventy-six pounds, and it is needless to say that it has been awarded medals wherever exhibited. The estimated value is £1200 or close upon $6000.

The Milwaukee Glue Works in Port Washington, Wis., have been sold at auction to G. Kreisman, of Chicago, for $5000. The original cost of the works was $35,000, exclusive of the land, which was donated. The trouble has arisen from the works' offensive odors.

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American Screw Co.'s New List.

Under date of May 1st, 1895, the American Screw Co., Providence, R. I., have issued a new discount sheet, and call attention to the change in discounts on Flat Head Iron and Brass Wood Screws and Rogers Drive Screws. The list in full is as follows:

PATENT GIMLET POINTED WOOD SCREWS.—Discounts.

Description.	Disc't.
Wood Screws.	
Iron, Bright Flat Head	87½%
" R'd and Oval Head	82½&10%
" Blued Flat Head (add 5 per cent. to net amount of invoice)	87½%
" Blued, Round Head	82½&10%
" Felloe, Flat Head	
" Pinched Head	
" Japanned, Flat Head	75%
" " Round Head	70%
" Tinned, Flat Head	75%
" " Round Head	70%
" Lacquered, Flat Head	65%
" " Round Head	60%
" Bronzed, Flat Head	65%
" " Round Head	60%
" Brass Plated, Flat Head	65%
" " Round Head	60%
" Copper Plated, Flat Head	65%
" " Round Head	60%
" Nickel-Plated, Flat Head, Burnished	75%
" Nickel-Plated, Round H'd, Burnished	72½%
" Silver-Plated, Flat Head, Burnished	50%
Iron, Silver-Plated, Round H'd, Burnished	50%
Wood Screws.	
Brass, Flat Head	87½%
" R'd and Oval H'd,	82½&10%
" Lacquered Flat Head,	65%
" " Round Head,	60%
" Bronzed, Flat Head	65%
" " Round Head	60%
" Silver-Plated, Flat Head, Burnished	50%
" Silver Plated, R'd Head, Burnished	50%
" Nickel-Plated, Flat Head	66⅔&6%
" Nickel-Plated, Rd. Hd.	66⅔%
Copper, Flat Head	65%
" Round Head	60%
Bronze, Flat Head	82½&10
" Round Head	80&10
Phosphor Bronze, Flat Head	60%
" " Round Head	55%
Wood Screws for Export.	
American List	
Rogers Drive Screws	90%

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds. Export quotations are upon conditions that the export shipments be made by us, to enable us to obtain the Drawback of Duty. Discounts subject to change without notice.

MACHINE SCREWS, BOLTS, RIVETS, AND MISCELLANEOUS GOODS.—Discounts.

Description.	Disc't.
Machine Screws	
Iron, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Brass, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Cap Screws, for Locks, Iron	
Side Knob Screws, Iron	
Taps, for Machine Screws	65%
Tire Bolts, Norway Phila	75&10%
" Eagle Philadelphia	80&10%
" Bay State	70&10%
Sleigh Shoe Bolts	80&10%
Stove Bolts, Flat Head	70%
" Flat Head, Annealed	70%
" Round Head	70%
" Nickel-Plated	
Stove Rods	70%
Sink Bolts	70%
Pointed Wires	65%
Tapped Nuts	50%
Norway Rivets.	
Ordinary, in Bulk	65%
Coopers, "	65%
Thousand, "	65%
Thousand, in Papers	65%
Block and Carriage, in Papers of 100	65%
Hame	65%
Belt, with Burrs	65%
Bay State Rivets	75%
Burrs, for Rivets	65%
Coach Screws	85%
Hand Rail Screws	80%
Dowel Screws.	
Dowel Pins, Barbed and Plain.	
Standard Penny Wire Nails, Steel, Base Price $2 keg, f.o.b. Providence	
Miscellaneous Wire Nails, Steel, 1, 5 and 10 lb. packages	85%
25 and 50 lb. Packages and 100 lb. Kegs	85%
Special Goods	

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid: on Rivets and Stove Bolts, on shipments of over 100 pounds, to principal cities on or east of Mississippi River; on other goods, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

SPECIAL NOTICE.

Changes have been made in the following Lists and Tables since the issue of our 1892 catalogue; the revisions now in force bear the dates here specified:

Page.	Item.	Date.
18	Iron Machine Screws	Aug. 1, 1894.
19	Brass Machine Screws	Aug. 1, 1894.
34	Iron Rivets in Bulk	Nov. 1, 1894.
35	Thousand Rivets	Nov. 1, 1894.
36	Block and Carriage Rivets, and Burrs	Nov. 1, 1894.
37	Hame, Coopers' and Truck Rivets, and Belt Rivets and Burrs	Nov. 1, 1894.

Printed Sheets, for insertion in the catalogue, will be furnished upon application.

New York Rapid Transit.

It will be several years at least before the proposed underground road can be completed, even if there are no insuperable obstacles experienced, and in the mean time why should not our present elevated roads be developed to their full usefulness?—HARDWARE.

Because the Rapid Transit Commission conclude that if they should permit New York to have any better rapid transit than it has now, they would to that extent diminish the chances of any one being willing to attempt the building of a tunnel. They are playing a colossal game of speculation for the benefit of the tunnel. They are, so to speak, bearing elevated stock as their last desperate chance of inducing capitalists to think of investing in tunnel stock. The tunnel is the chief end of their official existence, and they are going to see it through at any sacrifice of the public interest.

It is the queerest case of "The public be damned" conceivable.—*New York Sun.*

Hardware Club Waiting List.

The following gentlemen were unanimously elected members of the Hardware Club at a meeting of the board of governors, held on May 7th:

Philip T. Dodge, President Mergenthaler Linotype Co., Tribune Building.

D. T. Mallett, Shoe & Leather Bank Building.

Allen T. Nye, Standard Telephone Co., Postal Telegraph Building.

S. W. Bowne; Scott & Bowne, No. 409 Pearl Street.

Edward H. Wardwell, No. 253 Broadway.

Charles J. Healy, No. 121 Chambers Street.

William H. Cole, No. 95 Chambers Street.

Hermann Bielefeldt, No. 141 West Broadway.

Thurlow Weed Barnes, Postal Telegraph Building.

With the election of the above gentlemen, the five hundred limit for resident members has been reached; and three names are already billetted upon a waiting list in the Club rooms. This record, eleven months after the opening of the Club rooms, is one of which any organization or trade might well be proud.

At the New York Hardware Club some days since a pleasant and impromptu luncheon was given by Commodore George W. English in honor of United States Senator J. C. Pritchard, the first Republican Senator from North Carolina in twenty-two years. Among those present were Congressman Taylor of Ohio, Colonel Fred. D. Grant, President Williams of the Hardware Club, Job E. Hedges, W. F. Wakeman, C. P. Stork and Brace Hayden.

Mr. Henley as a Juryman.

William I. Henley, the well-known Hardwareman, No. 20 Warren Street, New York, has a prospect of serving the public for some time, having been drawn as a juror in the trial of Inspector McLaughlin. Mr. Henley frankly owned that he would like to get out of it if he could, but as he could not give a legal excuse he was compelled to take the eleventh seat. He was asked by Justice Barrett why he had hesitated so long in answering one of the questions put by the defense, and replied:

"Well, frankly, I will state that my business is in such a state that I was trying to think of an answer that would let me out."

"Have you been in court ever since Tuesday, when you were summoned?" asked Mr. Elkus.

"Well, I've not been here all the time. I've stolen away and taken some chances."

"Have you discussed this case with anybody since you were summoned?"

"I told my partner that I was summoned and that I thought I could give an answer that would get me out of it, but I find it a pretty hard thing to do."

Can Fill All Orders.

The National Saw Co., with headquarters in Newark, N. J., in view of the recent fire in their Cincinnati factory, make the following announcement:

To the Trade: The recent fire at our Cincinnati factory will not cause any delay in executing orders for line of saws, trowels, etc., as made at Cincinnati. We will fill all orders promptly if sent to the main office, Newark, N. J.

THE NATIONAL SAW CO.

The Joseph Dixon Crucible Co.'s calendar card for May suggests an American Graphite Pencil in the role of Queen of the May, and presents this pleasant line from Thomson: "They who are pleased themselves, must always please." How about the small boy who is never so happy as when tying a tea-kettle to a dog's tail? Does it please the dog?

The Pittsburgh Mineral Screen Co. have organized in Pittsburgh with a capital stock of $5000.

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THE HONEST DOLLAR.---I.

[Samuel W. Allerton, of Chicago, who is too well known as a business man to need introduction, has placed upon record his views of the money question, which we are permitted to here present. They will be read with great interest, no matter what the views of the reader upon that great theme may be.]

EDITOR HARDWARE: I see a great nation of seventy million people, the richest nation on the globe, forced to ask a few money-changers to protect the national treasury. I see a private trade made with these money-changers to the effect that if they will try and protect the treasury, we will give them three-quarters of one per cent. on sixty-two millions of bonds. As President Cleveland intimates: "The premium for their confidence in the integrity of this great nation." I see forty-four millions of dollars drawn out of the treasury to hoard in the last sixty days by the money-changers in New York, the result being to embarrass the treasury and force them to issue more bonds. I see a profit of nine millions of dollars for these money-changers, made out of the government in this one transaction, for the industrious people to pay, and, as a citizen of the United States, I feel deeply humiliated, and ask myself: Has not the time come when we should investigate our financial system, discover its defects and remedy them, if possible?

I appreciate thoroughly both the importance of the topic and the fact that master minds in all ages have weighed the question carefully, but as I am fully impressed with the truth and practicability of my idea, I do not hesitate to publish it. I realize further that it will be difficult at first to accept my idea, because in suggesting something else in the place of gold and silver as a basis for our money system, I am running counter to a condition of things which we have been trained to believe is the only one for the purpose.

Gold is but an inanimate object; it is destitute of hope, charity, spirit of universal justice, or that element of higher manhood, true friendship, and always deserts a nation in its days of trouble. When this great nation was in trouble, in 1861, gold deserted us, and we had to appeal to the patriotism of American people who loved this Union more than they loved gold or silver. A wise man said paper money was a delusion; that in the days of the Revolution when men's hearts were filled with patriotism, the continental money we paid to our soldiers was of so little value that they stuffed their mattresses with it. This was a sin of omission of our forefathers in that they did not redeem this, their obligation to the defenders of the American liberty. Had the government issued five-year bonds for the redemption of this currency, this act would have made this currency good and we would always have had a national currency and would not be in debt, as we now are, five hundred billions to foreign nations.

WHAT IS MONEY?

Some commodity or article of universally acknowledged value has always been considered necessary as a basis of exchange among nations and for a monetary system at home, because the people lack confidence in the integrity of their government. History teaches us that from the commencement of civilization all nations have used a great variety of articles for the monetary system; notched wood was at one time used in England as the medium of exchange. So it is evident that nations make and have made many articles the medium of exchange; and such articles are made the medium, not by nature, but by law.

HISTORY OF MONEY.

In our early history we used codfish and pebbles; in after years gold and silver. Not having gold and silver enough to keep up with the growth of our country and its monetary system, we passed through years of great depression. We had all sorts of schemes—State banks, shinplasters, etc., and every so often the honest holder was robbed. Never until our national life was in danger—until men offered their lives by millions and the dead and wounded were brought back from the battle-field, did we have a national currency. The noblest attribute of manhood is true friendship; when the nation was in trouble, gold and silver were too high and mighty to associate with us and we had to appeal to the patriotism and manhood of those who believed that the nation was dearer to them than gold or silver.

When I first came to Chicago the money in circulation was Georgia money. George Smith furnished to a large degree the currency for this great Northwestern country. He bought Georgia bonds at a discount. Georgia had a State law allowing banks to issue three dollars currency for one dollar in bonds. Smith got the Georgia currency, brought it here and loaned it to our people at ten and fifteen per cent. Ever so often a rumor was started that the bank was in trouble. The currency was bought up in the country towns from the honest holder at a discount. Smith made $15,000,000 out of the Northwestern country. Is not this a sad commentary on the statesmen of that day?

Bimetallism is a delusion as a money basis. You never can keep two metals at par with each other. The overproduction of one reduces its value and increases the other. We must have one or the other for a standard. Even if all the nations of the globe should declare for bimetallism it would be a defective basis. England will not so declare, because she will lose her power over the United States. If all the nations of the earth did, you would still have the periodical panic which always depresses the industries. When I first came to Illinois I bought cattle and grazed them on the prairies and fed them on corn in the winter. The first year I did well; the next year I bought my cattle well, but the panic came—down went the price of cattle and I lost all. Not my fault, for my business was honest, but our country was on a false financial basis and the industries all had to suffer. Well do I remember the young men who were cleaned out of all their hard-earned savings in that panic.

THE GOLD BASIS.

With $350,000,000 of gold (as it is evident a large amount of our gold has been used in the arts and made into jewelry), and that is about the amount of gold now held in the United States, the gold basis would mean great depression, hard times, idle labor, and after the people had been ground down for a few years, a new party would come into power for inflation. To now go on a gold basis means a reduction of values one-half, hard times for years, depression in the value of labor and of all commodities. No doubt after the people have had three years of great depression and have been ground down, they would raise up a new party that would demand expansion, and in the end another great financial panic; then the gold men would say: "I told you so."

The New York *Tribune* says our products and property have depreciated $9,000,000,000 in the last two years. As the Chicago *Tribune* says, a fearful price to pay for Democratic misrule. This is not the Democratic party of free-traders, theorists, cranks, anarchists, labor-leaders, and every "ism" in the country. Such a party could not have a fixed policy on any of the great questions affecting our prosperity; but have not the New York *Tribune* and the

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Chicago *Tribune* done their share to demoralize the industry of our country by demanding that all our property and labor should be measured by one standard, gold—limited at that to $350,000,000? We do not want to forget that when we reduce wages of labor, and labor is idle, that they not only lose in a money way, but morally, socially and intellectually. If there is any place on the face of the earth that has any more sorrow and misery than England, I have never seen it, with all their wealth in gold. When in England I rode on a stage that required a skilled driver. I asked what he got, and he replied, four shillings for fourteen hours' work—equal to one dollar in our money. England is all right for the few aristocrats, but the masses live in sorrow, misery and degradation.

GOLD ACQUIRED BY OTHER NATIONS—HOW?

How did England get her gold? She fitted out fast, stanch sailing-vessels, made stock companies, and it is said that Queen Elizabeth was a stockholder in this piracy to rob the Spaniards of the gold they had found in a new country.

How did France get her gold? Bonaparte robbed weaker nations by war, and when France commenced internal improvements, Germany drilled her young men in a great army and caught France in her weakness, and commenced war on her under a pretext, and made her pay many millions in gold for immunity.

THE SILVER BASIS.

Your will now hear some of our most thoughtful men say that with good men at the head of a party for free silver they will sweep the country in 1896. This would mean great inflation. Bankruptcy would be sure to follow. Again, then, we will return to a gold basis; so with a gold or silver basis we would go on as in the past, contracting and expanding—losing faith in each other. Panics every so often, the country demoralized, labor idle and poverty staring us in the face, while we would have everything here necessary for home comfort. This has been our history and it will continue to be so long as we base our confidence on gold, which is a false friend in time of need. The silver men would inflate, the gold would contract.

Should Congress pass a free-silver law, under our present system of finances it would not benefit us, but would only embarrass the government if it tried to keep silver on a parity with gold; we should have to issue a much larger amount of bonds to sell for gold and add more to our national debt. With an unlimited coinage of silver the people would still be in an uncertain condition, and in the end would be on a silver basis. Our government would have to repudiate or suspend gold payments. Our government must maintain its credit and faithfully perform all its obligations. It is strange silver men cannot see this condition. Of course free silver would make it easier for the man in debt, but he should have no more right to shrink from paying his debts than a single-standard gold man has to depreciate his property one-half and make him pay double. This is the evil of gold and silver; it will always have a changeable value.

SILVER BETTER THAN GOLD.

The silver men have shown a great deal more patriotism and devotion to the prosperity of the American people than the gold bugs who are working for a few money kings in England and New York, and it is my conviction that free silver is a lesser evil than the one-standard gold. But when we look back at the legislation that we have had in this country in the last fifteen years to depreciate the value of silver, it does not seem consistent with common sense that we can have free silver unless we put a dollar's worth of silver in a dollar, and that would be cumbersome and unwieldy in its use.

RESULTS OF PRESENT CONDITION.

We elected President Cleveland on a revenue tariff; we reduced the revenue $80,000,000; we repealed the Sherman act and reduced the currency $48,000,000; every man commenced to hedge; our land was filled with idle labor; the value of labor was reduced 25 per cent. New enterprises stopped and labor was idle, so they had no means to buy.

The hard-earned savings of thrifty men that have been invested for their families in railroad stocks and bonds have been by the repeal of the Sherman act about wiped out; thousands of families are now in distress from this depression through no fault of their own.

DIVERSITY OF OPINION AS TO CAUSES OF PRESENT TROUBLE.

We all acknowledge that we have had many years of the greatest prosperity known to man; the highest prices for labor and the lowest prices for the necessaries of life—because we have had confidence in the currency of our country. Now, why should we, the richest nation on the globe, find ourselves in our present condition? Silver men say because we repealed the Sherman act; Republicans say because we elected Democrats with no financial policy; Democrats say it was time to have a collapse. With good crops, no pestilence, no calamities, must not this depression be our own doing? We now have one class advocating the gold basis, another gold and silver, another state banks and bob-tail money.

We read the resolutions passed by our wise statesmen at their conventions, all parties declaring for bimetallism, the use of gold and silver for a monetary system. The present administration believed the Sherman act should be repealed; that we should stop buying silver bullion, stop issuing silver certificates, and that confidence would be restored. So by holding out to the Southern wing of the Democratic party the inducement that if the Sherman act was repealed they would have state banks and bob-tail money, with the gold men President Cleveland succeeded in repealing the Sherman act and stopped the issue of silver certificates, but offered nothing to supply their places. New York claimed that with the Sherman act repealed confidence would be restored and foreign nations would buy our securities; in fact, allowing our people to get more in debt to foreign nations. The result has been that New York has lost her gold and her securities have depreciated many millions.

WHY WE HAVE KEPT GOING.

To the thoughtful man it has been a matter of study how our government has, for the last ten years, been able to keep silver on a parity with gold and to redeem all our paper circulation in gold with our present system of finances. The reason we have been able to do it is that the foreigner has been buying breweries, gold mines, railroad stocks and bonds; with a high protective tariff our laborer has been well employed; business has been active and the investment of foreigners has paid, and in this way balance of trade has been in our favor, and gold did not leave us, and no one wanted gold. Railroads made bonds payable in gold without a thought. All this time we have been getting in debt abroad—about $300,000,000, that our people have spent in traveling and buying bric-a-brac—but with the change of our tariff, the granger laws, the inter-state commerce law, labor strikes, agitation of silver, our country kept in an uncertain state, new enterprises stopped, railroads became demoralized, foreign capital stopped coming, and our securities depreciated, so that with the folly of our government trying to furnish gold to the importer, to the traveler abroad, to pay interest on railroads and all other individual enterprises, $100,000,000 of gold in the treasury has been a bagatelle. No doubt, had we maintained a higher tariff, kept our people at work, kept business active, so that railroads and other securities the foreigners had invested in would have paid dividends, they may have continued to invest, and we would have been able to get more in debt to foreign nations; but with the present system

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of finances it would only put the day of reckoning farther off.

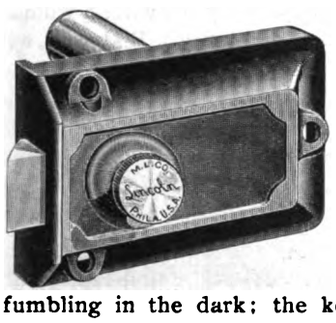
THE ONLY POSSIBLE RELIEF UNDER PRESENT SYSTEM.

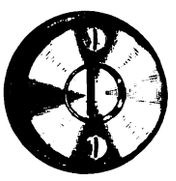
The only possible relief we can have under our present finance policy is for foreigners to buy our railroad bonds or securities, which they will not do, but do as they have ever since the repeal of the Sherman act, sell currency bonds, West Shore currency bonds guaranteed by the New York Central Railroad, and other currency bonds, and ship the gold home, knowing the government must, under the present finance policy, continue to issue bonds to sell for gold, and they will buy each new issue cheaper. We produce $40,000,000 of gold per year. To pay the balance against the government caused by the reduction of the tariff, interest on our government bonds and all other securities held abroad, the money the rich spend in traveling abroad, it will take $300,000,000 of gold; so the government must issue $260,000,000 of gold bonds per year. And if foreigners continue to send back our securities the government will have to increase the amount in the sale of the bonds. The government will soon have a debt compared with which the debt of the Rebellion will be insignificant.

[In the next issue, Mr. Allerton will discuss the remedy which in his view should be applied.—Ed. HARDWARE.]

The Lincoln Lock.

The Miller Lock Co., Philadelphia, have lately produced a new four-inch Latch Lock, or "Night Latch," the "Lincoln," of which we have secured a sample shown in the below reduced cuts. It is described as possessing an unusual number of points of excellence and superiority, viz: Reversible bolt, thus suiting all doors that open inward, as well as those that open outward; the bolt is of bronze metal; is adjustable to all doors from ⅞ to to 2 inches thick; another size fits doors from 1⅞ to 3 inches thick; each has three keys; these are of plated steel, strong and handsome; every latch has for its exposure a most beautiful bronze metal escutcheon; the finish throughout ranks the Lock as strictly first-class; the springs are German silver, and will not rust in any climate; the keys are reversible, and require







no fumbling in the dark; the keys will not interchange, even in large sets, unless made alike to order; only a ¼-inch hole is to be cut in the door; the "strike" is new and described as "the best yet devised;" one-eighth turn of the wrist is all that is needed to open the Latch; the price, $1.00 per lock, places it within reach of all. The manufacturers of the above Latch publish an illustrated catalogue, that every dealer should have on file for ready reference.

The directors of the Bellaire, Ohio, Nail Works have held a meeting at which the matter of additional improvements at that plant was discussed and plans made to begin the work on some of them. This company made during the past year nearly $300,000 of improvements, and it is contemplated to make about that much more this year.

The Charles Hardware Co., New York, incorporated. Capital stock, $1000.

Elliott Burris, of the Humber Co.

Elliott Burris, managing director of Humber & Co., America, Ltd., is a man of the age, one of those to whom the world pays homage because of sterling worth. It is said that a man is as old as he feels. Mr. Burris must evidently be young, for he has a fund of spirits and vim which is inexhaustible, yet, he was a famous athlete twenty-five years ago. From his looks he might be taken for a man of thirty, but he has two charming daughters with years



enough to their credit to make them leaders in their social circle, and a boy old enough to "scorch" with the best of them. Mr. Burris is a traveler in many climes, a student of human nature, and a scholar among books. He possesses a fund of information and anecdote, which makes him a charming conversationalist and a jovial companion, and his knowledge of men and things fits him for his responsible duties most thoroughly. He has a wide acquaintance among the older as well as the more recent dwellers in Gotham, having lived and labored here for many years. He is a member of the New York Athletic Club, the Riders & Drivers' Club, and many kindred organizations, is an accomplished horseman, a finished cyclist, a polished gentleman, a loyal friend and an honest enemy. The Humber Co. are to be congratulated upon his appointment, as manager of the American office and factory.

John W. Davis & Co., contractors and builders and real estate brokers at Roslyn Highlands, Long Island, N. Y., have opened a Hardware store in Mineola, and propose carrying a general assortment of builders' Hardware, agricultural implements, bicycles, etc. This business will be carried on under the firm name, in connection with their regular business, at the place above given. All business communications should be sent them at Mineola.

Those who are concerned to study the subject have probably been struck with the fact that the greater proportion of labor-saving machinery and other machines adapted for special purposes are of American invention. This would seem, in fact, to be a field in which the Englishman finds himself hopelessly "left."—*The Hardware Trade Journal, London, Eng.*

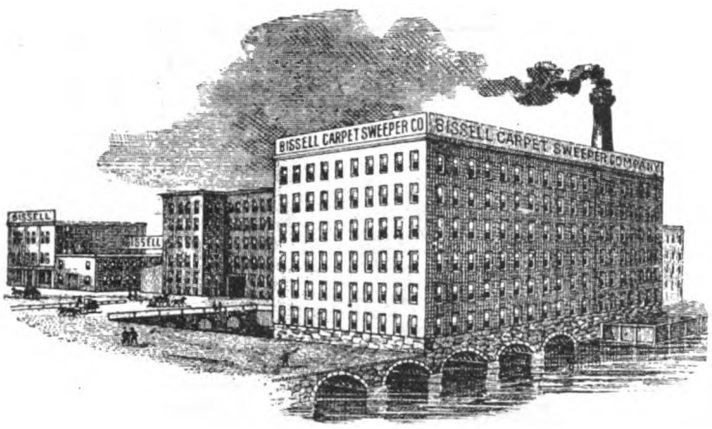
The Buckeye Churn Co., Sidney, Ohio, are having a very profitable season with their Buckeye Churn, which is built upon the concussion principle, which is described as "the only true one for making granular butter." Prices and description will be sent on application.

The Van Wagoner & Williams Hardware Co., Cleveland and New York, are making a very successful specialty of the American Trackless Sliding-door Hanger.

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A Big Carpet Sweeper Plant.

We take pleasure in herewith giving a very good view of the largest carpet sweeper factory in the world, the immense plant of the Bissell Carpet Sweeper Co., located at Grand Rapids, Mich. Almost every year shows new evidences of growth at these factories, and the hard times seem to have made themselves felt but little on the growth of this plant. The year 1893, when so many factories were



compelled to close their doors, the entire Bissell factories were forced to their fullest capacity to execute their orders, and that year saw the completion of factory No. 8, a large six-story brick structure, and the largest of the Bissell group. Last year saw the establishment of a branch factory at Toronto, Canada, to provide for the growing demand for Bissell Sweepers in that country, and this spring finds the foundation plates on the ground and partly in place for the erection of another large factory building in the near future.

The carpet sweeper and this company are forcible illustrations of what can be accomplished by making a specialty of some small article, and giving exclusive attention to developing a demand for it, and extending its sale by correct methods to every quarter of the globe. The carpet sweeper is a little thing to the outsider, but once within the walls of these factories, it is simply astonishing to the visitor, who for the first time sees the special machines and large buildings, and the care that is devoted exclusively to the production of carpet sweepers and carpet sweepers only.

The carpet sweeper as an article of use prior to 1876, was little known, but in that year Melville R. Bissell, then a young business man, saw that there was a future for a carpet sweeper of the right quality, and invented the first Bissell sweeper and centered all his energy in making it the success it has proved to be. The rapid growth of the business soon demanded good men to further the best interests of its various departments, and its financial interests were at an early date, entrusted to Maurice Shanahan, its present treasurer, in whose hands the institution holds a credit enjoyed but by few firms in the country. C. B. Judd, its present manager, became vice-president and secretary of the company when it was organized in 1882, and responding quickly to his hard and systematic work, the business rapidly increased to its present size.

"Look after the little things," seems to be the motto in every department of this establishment. Everything is system, for with branch offices and agencies in almost every foreign civilized country, it requires a perfect system to keep the details well in hand, yet, everything is drawn so completely towards one center, that manager Chas. B. Judd can sit at his desk in his little private office, and on a moment's notice, satisfy himself as to the condition of the sweeper business in any part of the globe.

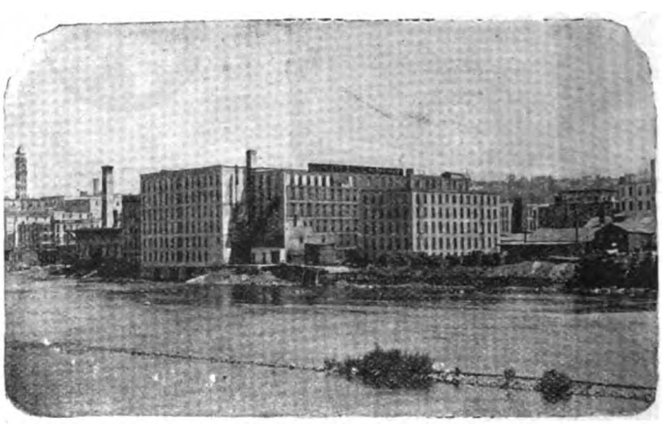
This company claim to have manufactured and sold over eighty-five per cent. of all the carpet sweepers used in the entire world; a remarkable claim, the truth of which can be easily understood after a visit to the systematic office of this company at Grand Rapids.

As the evolution of the carpet sweeper itself has had much to do with its increased sale, the mechanical department of the business was placed in charge of Walter J. Drew in whose hands the appearance of the sweeper was soon transformed and the perfect sweepers as seen to-day, are the result of his designs and invention. Almost a hundred patents protect the designs and mechanisms used by the company, and they cover the carpet sweeper field so completely that it is a difficult matter to produce a sweeper that does not infringe one or more of these various patents, which fact explains the various law suits in which this company have been engaged. There is, however, a noticeable fact about these suits, and it is that the Bissell Co. are always suing to protect their own interests and are never sued for infringing the rights of others.

During the past ten years, the company's foreign business has had a rapid and solid growth under the able management of T. W. Williams, manager of the company's eastern and export office located at No. 103 Chambers Street, New York. This department has resulted in the establishment at No. 47 Wilson Street, London, England, of a warehouse and branch office, under the management of James L. Pollitt, a native Englishman whose originality and methods have made the Bissell sweeper a household article in England almost equal to the reputation it enjoys in the United States.

In the spring of 1884, the company met a severe loss by fire which consumed the entire plant, but from this it soon recovered. In the spring of 1888, just four years later, the company suffered a severer loss in the death of its president and founder Melville R. Bissell. He was still a young man in years when he died, but in the short time that he devoted to his business, gave it an imprint of his individuality that has remained with it ever since. Quick to perceive and quick to act, and generous almost to a fault, he soon commanded for his business and himself, the respect and admiration of all with whom he came in contact; and this great cluster of factories to-day, with a business that encircles the globe, is a monument of which any man might well be proud and one that few men have been able to erect.

Ever since his death, the office of president of the company has been fittingly occupied by his wife, a woman of excellent and unusual business ability. Endowed with a



charitable disposition, much of Mrs. Bissell's time and means has been devoted to the interests of benevolent institutions and works of charity with which her husband and herself have always been identified.

It is announced by telegraph from the West that the Denver Hardware Mfg. Co., Denver, Col., have made an assignment. The company were incorporated in February, 1892, with a capital stock of $200,000, and on March 27, 1895, claimed assets, $326,000; liabilities, $38,000.

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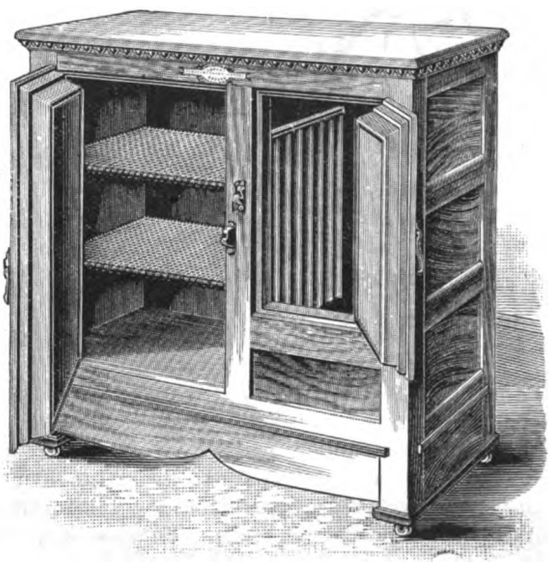
A Davenport Hardware House.

The *Tri-City Commercial Gazette*, of Davenport, Rock Island and Moline, in its first issue contains the following deserved tribute to a well-known Hardware house:

The importance of Davenport as a great purchasing point is forcibly illustrated by the flourishing existence here of such an immense establishment as that of the Sickels, Preston & Nutting Co., of which Mr. J. R. Nutting is the treasurer and general manager. The business is a very old one, having been founded in 1850 by the firm of T. Close & Co. They early achieved an enviable reputation for the superiority of their product, and laid broad and deep the foundation of what has since become such a prominent mercantile factor. They were succeeded in the early '50's by Robert Sickels, of the firm of Close & Co. (Mr. Sickels has been connected with the house since that period—both as senior partner and president—which position he now occupies. Mr. Sickels is also senior member and manager of the New York firm). In 1860 the firm became Sickels & Preston. In 1890 the present company was incorporated under the State laws of Iowa, with the following officers: Robert Sickels, president; A. J. Preston, vice-president; J. R. Nutting, treasurer and general manager; and G. H. Nutting, secretary. They have been actively identified with this branch of trade since their first entry into business life, and have every possible qualification at command, including ample resources and perfected facilities for securing the finest goods manufactured in every section of the globe. Mr. J. R. Nutting, the general manager of the house, and upon whom devolves the sole management of the business, is one of the best posted men in the wholesale Hardware trade. A short sketch of his career would not be out of place in this review—as it demonstrates what energy, ability and perseverance, coupled with honorable business methods, can accomplish. Mr. Nutting came to Davenport with his parents in 1854. A few years later, when still a youngster, he went to live with his uncle at Troy, N. Y. It was in August, 1864, that he entered into the employ of the firm of Sickels & Preston, in the capacity of errand boy. He is what we may truly term a self-made man, having begun at the bottom, and by close application to business, coupled with practical knowledge, energy and perseverance, has gained for him the prominent position he holds to-day—one of the leading wholesale Hardware merchants in the West. The company's warehouse and office are most centrally located at Nos. 119 and 121 West Third Street, also occupying three stores, for warehouse purposes, in the Bazaar Block. Their building is an imposing brick structure, 44x150 feet in dimensions, and five stories, with basement, in height. Here a thorough system of organization is enforced; the stock is arranged conveniently in departments, and covers everything the trade needs or uses. Without attempting to describe this truly representative stock, it may be stated that merchants can nowhere find such a fine stock of general Hardware and cutlery to select from. They are extensive dealers in Hardware and cutlery, rope, cordage and binder twine; tinner's tools and supplies; stamped ware and tin plate; sheet iron, belting and mill supplies, paints, and scores of other articles directly salable to the best class of Hardware, paint and tin manufacturing trade. The firm's commercial relations are by no means confined to the Western States, but with truth may be said to extend all over the country. The well-known firm of Sickels, Sweet & Lyon, of New York City, is closely identified with this house. The company's eastern office is at No. 35 Barclay Street, and No. 45 Park Place, New York City. The company employs in its wholesale department and offices forty clerks, salesmen and accountants, and it has a staff of eight traveling salesmen on the road, covering every section of Iowa, western Illinois, northern Missouri, and southern Minnesota. Davenport's supremacy in commerce is materially aided by the existence of such a great house as this, and the Sickels, Preston & Nutting Co. are to be congratulated upon the large measure of success attending their able and honorably directed efforts.

An Automatic Refrigerator.

The Columbia Refrigerator Co., Northville, Mich., have prepared a catalogue illustrating and describing their Automatic Refrigerator, which they will be pleased to send to all who are interested. In stating the advantages of this article, an illustration of which is here shown, the makers refer to it as having a perfect circulation; a large condensing and purifying capacity; "has no flues to cause it to smell bad; the trap is inside where it cannot be misplaced or lost; the drip pipe may be cleaned without disturbing anything in either chamber, and is entirely out of the way; it has nine walls to protect the ice and to maintain a uniform temperature in the cooling chamber; it has woven wire



provision shelves that are superior; it has superior Hardware; it is more capacious and convenient; flavors of foods will not mix; last but not least, it's different, and will bring new customers and new trade. We want the leading dealers to handle our goods and but one dealer in a place. The goods are made of ash, and well finished."

Send Him Catalogues, E c.

Sayre & Shafer, Montrose, Pa., makers of furnaces and steam generators, and one of the oldest houses in that line, dissolved on March 22nd. Mr. Shafer retires, and has gone into the Hardware business, opening a store on one of the leading business streets of Montrose, where he will carry a large line of shelf Hardware, cutlery, carpenters' tools, tinware, woodenware, and novelties. He has been in New York, laying in a stock, and will open on May 1st. He will be glad to receive catalogues, lists, etc., from manufacturers and jobbers in the above lines. Mr. Shafer is an experienced man of business, having formerly been a resident of Scranton. where he opened the Third National Bank, from which he was compelled to retire because of ill health. He is himself again, and proposes to push his new business with enterprise, and along lines of modern business methods.

Spring may now be declared officially here. The Pike Mfg. Co., Pike's Station, N. H., are again sending their friends sample jars of that famous New Hampshire maple syrup, which is becoming as well known all over the country as are Pike's Whetstones. These annual gifts leave a sweet taste in the mouth of the trade all through the year. HARDWARE acknowledges its share as usual.

The bicycle trade in England for 1895 will probably be the best on record.

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NEW GOODS IN THE MARKET

If you have anything NEW, let the world know it by illustrating it in these columns.

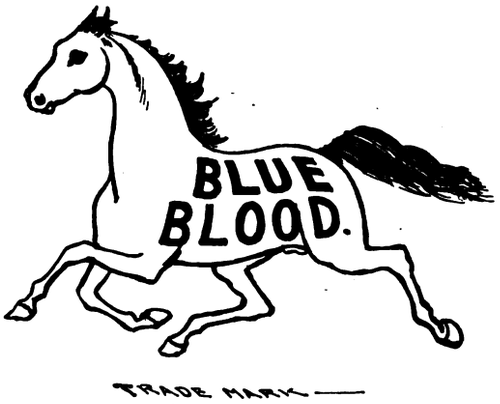
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

"Blue Blood" Packing.

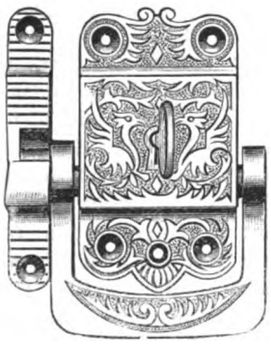
The Ireson Rubber Co., No. 97 High Street, Boston, Mass., are introducing the Blue Blood Packing, which they claim possesses many superior qualities. It is backed



with Para rubber which is believed to make it a most effective spring compound. It is stated that because the compounds used in its manufacture are mineral the packing is not affected by heat. "It contains two ingredients that prevent it from hardening, and retards the vulcanization of the rubber, thus providing against the possibility of the packing being overcured. The packing is pulverized like paper, which gives it strength and assures an airtight joint." The makers further claim that this packing is not affected by ammonia, alkalies, acids, hot or cold liquors or steam. It is made in rolls and sheets, 1-32, 1-16, 3-32, ⅛, 3-16, ¼, ⅜, ½ inch. List per pound, 80 cents. Discount to the trade.

Conroy Refrigerator Door Fastener.

P. J. Conroy & Co., Philadelphia, Pa., are putting on the market an automatic Refrigerator Door Fastener. The fastener is made in brass, nickel-plated and copper finish, in three sizes. While the construction is the same as the plain style introduced by them last season, the one illustrated is designed more for refrigerators and buffets where an ornamental fastening is required.



The Perfect and Adjustable Support.

The Lewis Mfg. Co., Utica, N. Y., are introducing two new Tomato Vine Supports. Fig. 1 shows the Perfect support. Figs. 2 and 3 show the Adjustable, with the hoop in different positions. These Supports are both made of No. 7 galvanized wire, and are provided with shoulders 4 inches from the end, which prevents them sinking in the ground. They are described as being strongly constructed and of excellent finish. The Perfect Support is provided with an extra hoop which gives it a very firm position and successfully supports all parts of the plant. The Adjustable Support is designed so that the hoop can be raised or lowered as best suits the size of the plant. The manufacturers explain that tomato vines will always produce earlier and



FIG. 1.

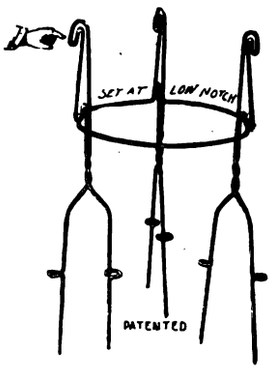


FIG. 2.

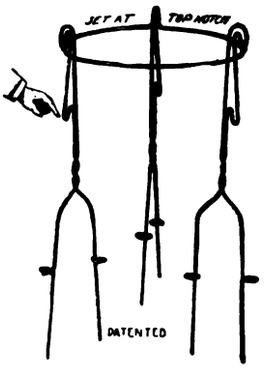
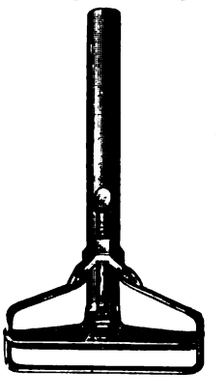


FIG. 3.

more when they are kept off the ground as the moisture in the earth will cause the fruit to rot. It is further stated that these Supports are superior to the wooden ones in use, as they do not rot or break and are not so bulky. The Support can also be used for roses and peonies.

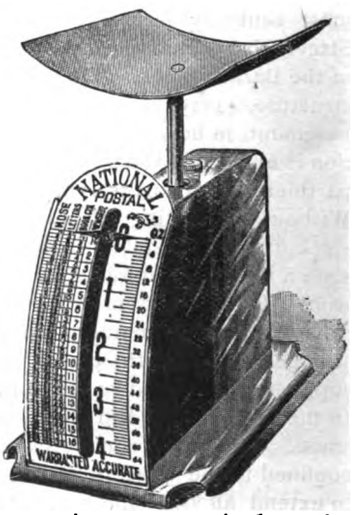
The Arcade Mop Holder.

The Arcade Mfg. Co., Freeport, Ill., are offering the trade the Arcade Mop Holder as shown in the illustration. The Holder is made with a ratchet lever fastened to the handle. By a slight pressure on the end of the lever, the yoke is readily pushed open so the cloth or mop may be easily placed in position. Then by placing the mop on the floor and pressing down on the handle, the mop is fastened in securely, and can be readily released by pressing end of the lever. The Holder is thus durable and easily adjusted. They are fitted up with stained hard wood handles.



National Postal Scale.

The Gilfillan Scale & Hardware Co., No. 725 Old Colony Building, Chicago, are manufacturing the National Postal Scale herewith illustrated. This scale is arranged with a very ingeniously contrived indicator card, which tells everything desired connected with postage on 1 ounce to 4 pounds to any part of the United States or Canada. On the right is found the exact weight of the package in pounds or ounces. On the left is found the cost of postage in cents required on the package weighed, one column being arranged for merchandise, another for letters, a third for books or circulars, and a fourth for newspapers. The indicator plate is in front and is easily read. This plate is removable so that a revised one can be inserted if the postage rates are changed. It is regulated by an adjustable screw on top, so that it can be corrected if necessary, but it is warranted absolutely accurate. The scale is extremely

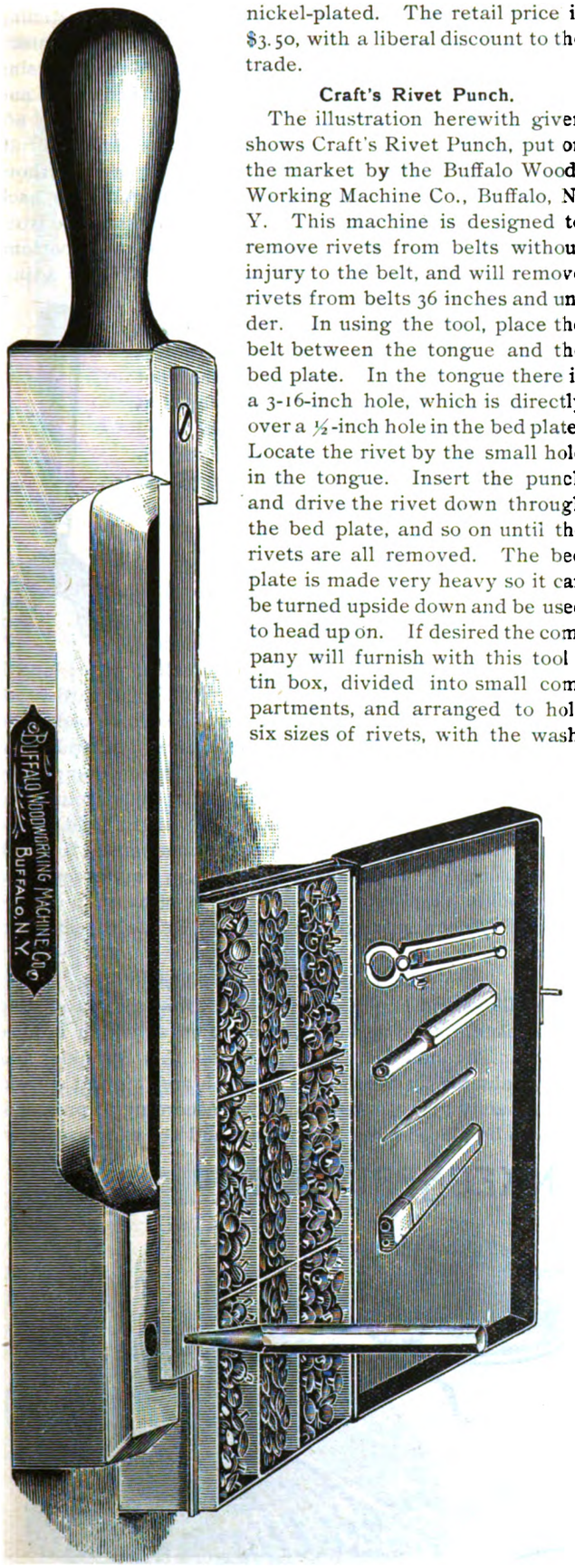


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sensitive, reflecting the smallest variation in weight. It is finished in two styles, one in steel, japanned and striped and nickel trimmed, and the other in pressed brass, highly nickel-plated. The retail price is $3.50, with a liberal discount to the trade.

Craft's Rivet Punch.

The illustration herewith given shows Craft's Rivet Punch, put on the market by the Buffalo Wood-Working Machine Co., Buffalo, N. Y. This machine is designed to remove rivets from belts without injury to the belt, and will remove rivets from belts 36 inches and under. In using the tool, place the belt between the tongue and the bed plate. In the tongue there is a 3-16-inch hole, which is directly over a ½-inch hole in the bed plate. Locate the rivet by the small hole in the tongue. Insert the punch and drive the rivet down through the bed plate, and so on until the rivets are all removed. The bed plate is made very heavy so it can be turned upside down and be used to head up on. If desired the company will furnish with this tool a tin box, divided into small compartments, and arranged to hold six sizes of rivets, with the washers separate, and will also furnish belt punch, heading tool, nippers for cutting off the rivets, leather plane and scrapers for making the splices, and cement for joining the splices.



Iron Platform for Wells and Cisterns.

The Bucket Pump Co., Cincinnati, Ohio, are introducing an Iron Platform for Wells and Cisterns in connection with their bucket pump, as here illustrated. The platform, Fig. 1, is made in two parts, the center portion being hinged, permitting it to be opened at right angles, leaving an opening 16x 24 inches in size. The platform is corrugated, having an outward fall; also a small flange at the edge of

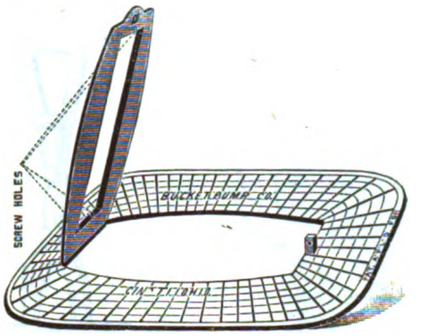


FIG. 1.

the opening in the movable portion, into which the curb sets, to prevent filth, sediment, debris, etc., coming in contact with the water. The flange is fitted closely to the lower edge of the pump curb, to prevent the water spreading and causing the curb to decay. The curb is permanently attached to the movable portion of the platform, as in Fig. 2, by screws, the position of the screw holes being shown in Fig. 1. This arrangement allows a ready access to the well or cistern, without removing platform, pump, bolts or screws when it is necessary to make repairs in the

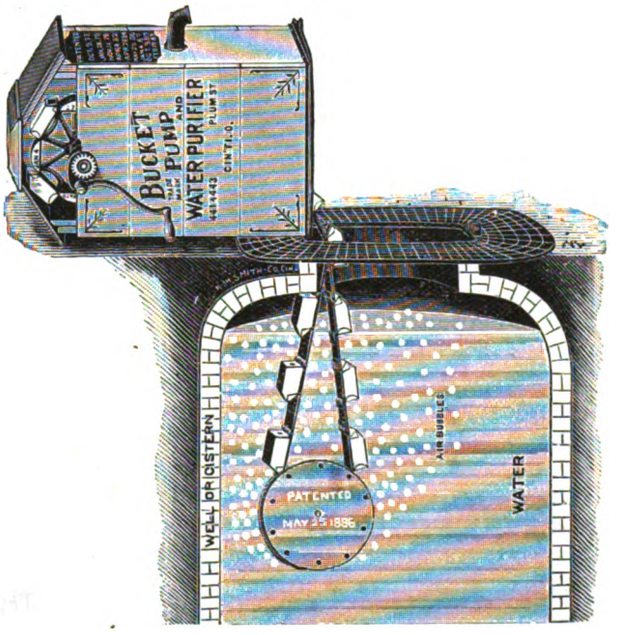
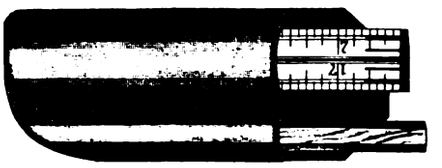


FIG. 2.

well, cistern or pumping apparatus. The curb in such cases is turned back, when the chains swing back out of the way. When the repairs have been made the curb is turned into position again, and a cotter is passed through the small lug at the front of the curb to hold the whole firmly in place. The makers state that the platform is inexpensive, strong and easily placed in position.

Four Novelties.

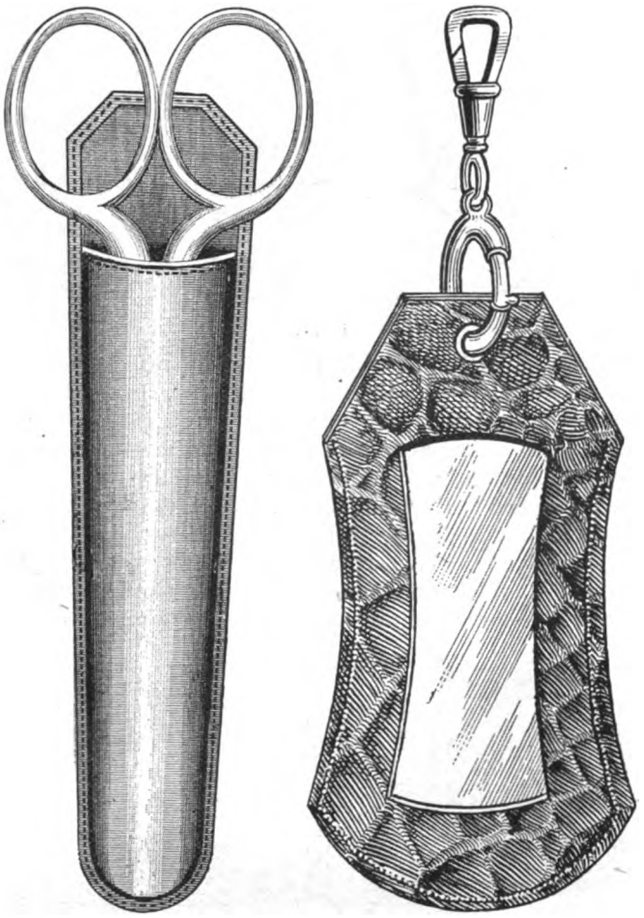
E. L. Prickett & Co., Mount Holly, N. J., are introducing several novelties, among which are the Common Sense Rule and Pencil Pocket, the Common Sense Bag Tag, the



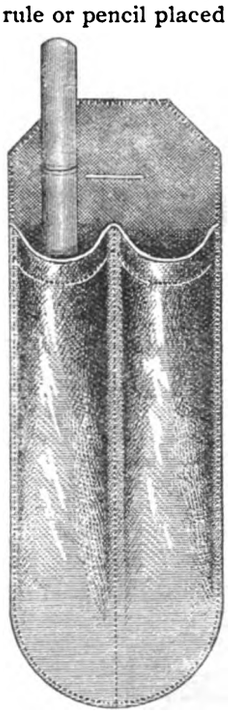
Common Sense Scissors Case and the Common Sense Pen and Pencil Pocket. The Common Sense Rule and Pencil Pocket is a neat, well-made leather case, with a stiff back

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piece, and a full front piece, the front piece having two openings at the top, and sufficient fullness to allow a rule, on the one side, and a large pencil on the other, to be easily inserted, and the contents are held tight enough to keep them from dropping out when the case is inverted. There



are two pins on the back piece of the case, one at the top and one at the bottom, so that the case can be fastened to any part of the clothes. When the case is put inside the pocket, use the top pin only. The makers claim that a rule or pencil placed in the Common Sense Pocket will stay there until pulled out, but if they are carried loosely in the pocket, and especially if carried in the hip pocket are apt to be dropped in very inconvenient places. The Common Sense



Bag Tag has for the attachment a spring swivel snap and ring which is described as a great advantage over a bungling strap. These tags are made of russet calf skin, patent leather calf, bag leather and imitation alligator. The address card is covered with celluloid which keeps it clean and the attachments are of nickel or gilt. The Common Sense Scissors Case is, the makers state, made of the best quality of leather stock, sewed in silk, with a sole leather tip at the bottom to prevent the scissors cutting through. It has a pin on the back, to be used in fastening the case to the breast or at the waist. It makes a much more convenient way of carrying the scissors than by using the old style card and chain. The common Sense Pen and Pencil Pocket is described as possessing the following advantages: The front piece of the pocket has sufficient fullness to allow a pen or pencil to slip in or out easily without any strain on the Pocket and at the same time the back piece of the pocket remains flat. The fullness in the front piece of Pocket gradually tapers from the top to the bottom, thereby allowing either a large or small article to adjust itself easily, while with the old style flat pocket it is quite difficult to put in a large pen or pencil, and there is always more or less strain on both the pocket and vest. The front piece of the pocket is doubled and stitched at the top to prevent wearing and ripping, and at the same time adds very much to the appearance. The Pockets are made up in first quality of black and light grain leather.



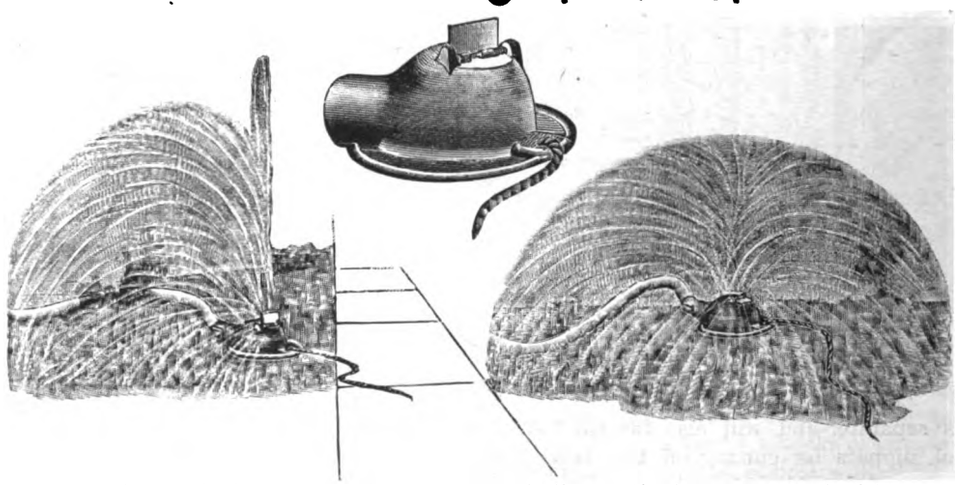
A Family Carpet Stretcher.

The Cincinnati Tool Co., Cincinnati, Ohio, are marketing a new Carpet Stretcher. The blade is dropped out of sheet steel about 3-64 inch thick: extreme width 2¾ inches, the opening in the center being 1⅛ inches wide; length over all is 8¾ inches. The handle is of light hardwood, with brass ferrule. After the carpet has been forced up to the baseboard and the tack started the curved central opening in the blade allows the tack to be driven completely down instead of partially; one difficulty encountered heretofore has been that owing to the slight hold of the tack on the floor, withdrawing the stretcher caused the tack to pull out. The stretchers are put up two dozen in a paper box. The Eastern office of this company, in charge of M. H. Wilson, manager, is at No. 67 Reade Street, New York.

The Yankee Lawn Sprinkler.

The Cleveland Lock Co., Cleveland, Ohio, are introducing the Yankee Lawn Sprinkler, illustration of which is here shown. The manufacturers state that this Sprinkler has many valuable features, some of which are: "great sprinkling capacity (35 to 40 feet diameter) according to pressure; and can be placed close to sidewalk and not wet passersby,

THE YANKEE SPRINKLER.



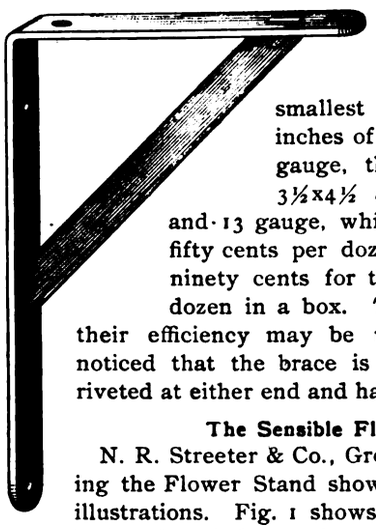
and can be moved all over the lawn by a cord without shutting off the water or wetting the feet. No revolving parts, or small holes, having as large an opening as the hose coupling has, causing absolutely no back pressure on hose. which preserves the hose. It is all made in one piece, very compact, put up one in a box, complete with cord and rubber

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washer. The small hinge (see cut) is raised to make half a circle, and laid flat for complete circle."

Brass Brackets.

F. Klages & Co., No. 107 Chambers Street, New York, introduce a neat and inexpensive Wrought Brass Bracket for small shelves of glass or marble, etc. They are in five sizes, of two gauges, the two smallest 2½x3 inches and 3x3½ inches of ⅛-inch brass strips, 14 gauge, the remainder 2½x3½, 3½x4½ and 4x5¼ inches wide and 13 gauge, while the prices run from fifty cents per dozen for the smallest to ninety cents for the largest, packed one dozen in a box. The makers state that their efficiency may be understood when it is noticed that the brace is mortised through and riveted at either end and has a double shoulder.



The Sensible Flower Stand.

N. R. Streeter & Co., Groton, N. Y., are marketing the Flower Stand shown in the accompanying illustrations. Fig. 1 shows the stand designed to be attached to the window casing. The makers state it can

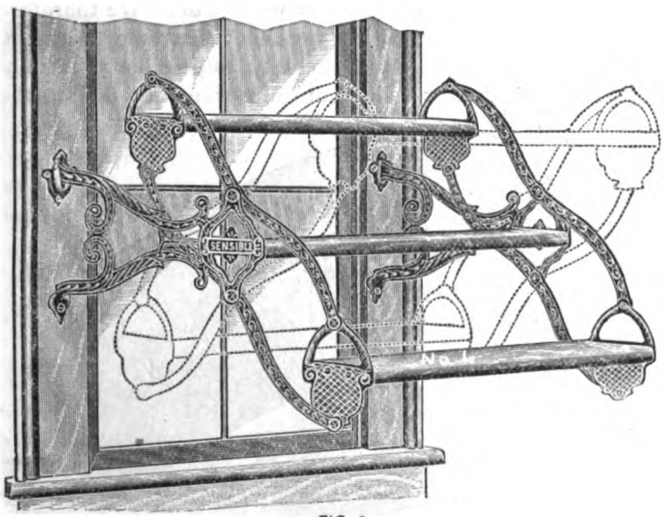


FIG. 1.

be adjusted in an instant to either face toward the window (as shown in dotted lines) or into the room. Fig. 2 shows the

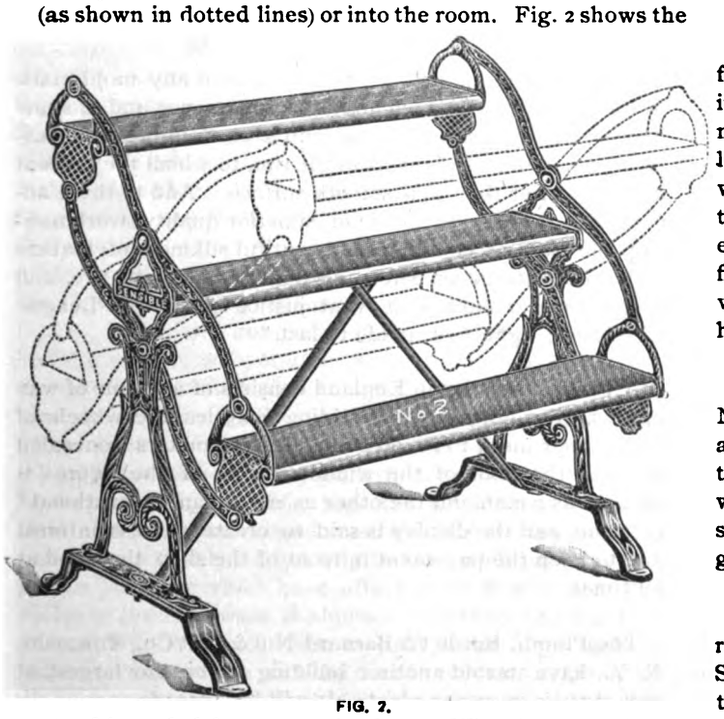
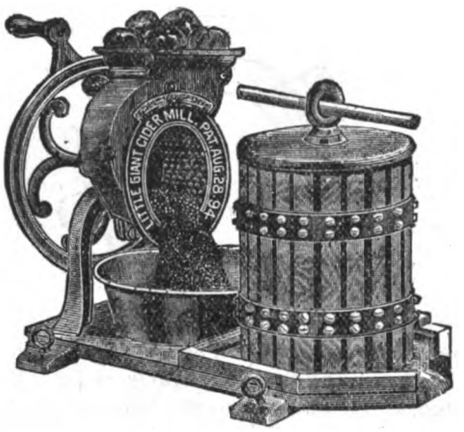


FIG. 2.

stand intended for use on the floor. With these stands the flowers can be turned to face the sun and air, or shifted to face room in evening when the curtain is drawn or blinds closed. Length of shelves, 24, 30, 36 or 48 inches. W. H. Jacobus, New York office, No. 90 Chambers Street.

Little Giant Cider Mill and Press.

The illustration herewith presented is that of a new Cider Mill and Press, invented and patented by Otis Everett Davidson, and being introduced by the Little Giant Cider Mill Co., of Nashville, Tenn. This ingenious and clever Cider Mill is intended only for family use, not being designed for wholesale or other extensive cider making. The cutter is made of tinned steel, and by the peculiar eccentric motion of the hopper, cuts the fruit and separates the white meat of the apple from the peeling, stems and seeds, carrying off the cut apple before it touches any part of the hopper or other metal from which it might be stained.



This is a feature not necessary in the making of cider, but in preparing fruit for cooking purposes it is very convenient. The board and crate are of well seasoned hardwood, the castings are of gray iron, covered with waterproof varnish to prevent rust, while the other metal parts are of wrought iron. In the pressing of the fruit there is also an advantage, as the bottom of the crate, having a nut in it, is brought up toward the top with the screw, the pomace being brought up and away from the cider, between the top and the bottom of the crate, and after pressed is taken out of the top of the crate. The manufacturers state that the mill and press are strong, besides being light and convenient to carry, thereby lessening the danger of its being left in the orchard to rust and rot.

A. W. Wheelock has on exhibition at his store in Rockford, Ill., a lamp that is 150 years old. It first shed its light in the old South Church at Boston, and in a way its history marks the progress of the world during that time. The lamp has had three kinds of burners, the first being for whale oil, which was the great illuminant of that period; the second for lard oil, and when kerosene came into general use the burner was changed to suit the new lighting fluid. The globe of the lamp is very beautiful and the same which adorned it when it was first set up in the historic house of worship.

E. B. Pike, president of the Pike Mfg. Co., Pike Station, N. H., has gone South to take a little needed rest and recreation. His fiftieth birthday overtook him while away, but the arrival of a handsome diamond ring from his employees, with a cordial letter filled with expressions of good will, showed him that although absent, he had not been forgotten.

The edge tool manufacturers of South Staffordshire are receiving better lines from Brazil and other markets of the South American continent than for some time past, and there are indications of an early improvement in the demand for these classes of production from the East Indies. —*The Hardwareman, England.*

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ILLUSTRATED BICYCLE NOVELTIES.

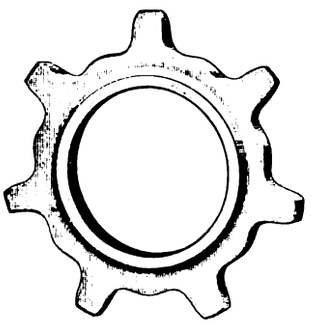
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Cycloidal Bicycle Sprocket.

The illustration given here represents the Cycloidal Bicycle Sprockets, used on the Tribune Bicycles, manufactured by the Black Mfg. Co., Erie, Pa. The sprocket gets



its name from what is known as a cycloidal curve which is given the teeth; and the successful working of the sprocket, it is stated, is due entirely to the curves given the teeth and to the perfection with which they are cut. The object of the cycloidal sprocket is to remove useless friction and cause the chain to drive as freely as the running of ball bearings. It is explained that the conditions sought in the construction of the sprocket are as follows: "To have the tooth properly curved to enter the chain without contact; that the chain shall pull exactly at a right angle, with its bearing surface against the tooth; that the chain block shall not shift or change its position while passing around the sprocket and that the tooth shall leave the chain without the least resistance; the advantage of the cycloidal tooth is most apparent when the rider is climbing a hill or forcing his wheel rapidly on an up-grade or against the wind; this is where the ordinary tooth grinds and makes the rider work at least 15 per cent. harder than there is any necessity."

Trouser Guard and Bicycle Lock.

Brunner & Co., Hartford, Conn., are putting on the market a Combination Trousers Guard and Bicycle Lock. Two

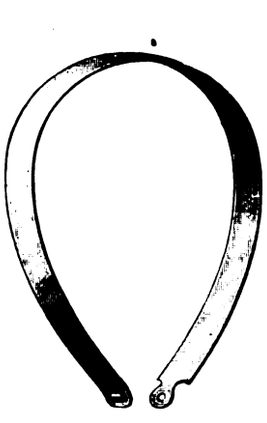


FIG. 1.

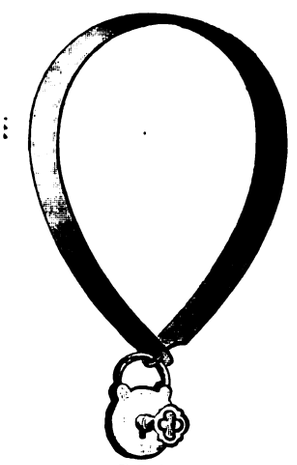


FIG. 2.

trouser guards with holes punched in each and one small padlock comprise a set. The guards are adjusted in the usual manner, the spring in them holding the trousers in position. When dismounted, the rider can detach the guard, and with the padlock fasten it around any part of the wheel, thus disposing of it in an advantageous manner. Price per pair, 25 cents.

The League Tire.

The League Tire is manufactured by the New York Belting & Packing Co., No. 15 Park Row, New York. It was patented April 9, 1895, and in describing it the manufacturers say that "heretofore all the inner tube tires of the cemented variety have been made in iron molds, by a process of vulcanizing, which brought a pressure and strain upon the fabric so great as to stretch and weaken it, driving the rubber into its meshes and depriving it of its natural elasticity, the inevitable result being loss of resiliency in the tire. This problem, that of producing a tire of greatest resiliency, seemed to us worthy of most careful study, and we have sought patiently to secure it. With much satisfaction, and without hesitation, we now record our complete success. In the League we offer the trade and cycling public a tire in which the natural elasticity of the fabric is unimpaired. It is vulcanized by an improved process that prevents injury to the fabric. There is no stretching, straining or weakening during manufacture. We therefore claim for the League Tire, resiliency, extreme lightness, durability and strength—absolutely impossible of attainment in other tires. Further improvements due to the



method of manufacture, are the absence of any mold mark or fin on the tread (which mars the appearance and in some degree increases the friction), and a cloth impression surface on the under-side next to the rim, to which the cement adheres better than to a smooth surface. Add to these advantages, rubber and fabric of superior quality, workmanship the best at command, a beautiful silkiness of texture and a pliability never before seen in a pneumatic tire, and you will understand with what justice we say the League Tire leads: light, fast, made to last."

A window novelty in England consists of a couple of wax figures, in cycling costume, riding Safeties, the wheels of which are caused to revolve by electric motors concealed beneath the floor of the window. One of the figures is dressed as a man and the other as a woman in "rational" costume, and the display is said to create endless interest and to keep the pavement in front of the shop thronged at all times.

The Plumb, Burdict & Barnard Nut & Bolt Co., Towanda, N. Y., have started another building to be the largest of any of their immense plant. It will be 175x420 feet in dimensions. The firm are almost ready to move their machinery from Buffalo. Niagara Falls power will be used.

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E. N. Higley's Unicycle.

The long-looked for Unicycle has at last made its appearance. It is the production of the fertile brain of E. N. Higley, of Boston. The wheel is built of aluminum, is 7 feet 3 inches high, and weighs but 54 pounds. There have been many unsuccessful attempts to perfect a single wheel, but up to the present these attempts have proved very unsatisfactory. The new wheel was recently tried before an interested crowd of cyclists in the Back Bay district, Boston, and was easily steered, controlled and driven in a 40-foot circle. The trouble heretofore has been the inability to propel a machine of this kind in a circle. The unicycle consists of an outside rim which is provided with a huge pneumatic tire. In the center is a smaller wheel, sufficiently large for a man to crawl through: strong steel spokes connect these two parallel wheels. In the centre of the inside wheel are the handle bars and saddle. A double gearing operates the machine, both rims of which revolve about the rider. The power is applied by friction. The saddle and all bearings are ball bearings, and the whole machine is moved easily. The wheel is steered by changing the centre of gravity of the rider's body. When he wishes to turn a corner he inclines his body toward the corner and the wheels turns readily, being very sensitive.



An English Opinion of American Associations.

Plain figures will sometimes clinch an argument far more effectively than the most forcible exposition of principles, and we suggest to those of our readers who have read our many exhortations on the formation of Hardware associations, that the following figures will provide food for profitable reflection. The facts are quoted from a characteristic speech made by Mr. Edward Buford at the recent dinner of the New England Iron & Hardware Association, at Boston, U.S.A., the whole discourse being full of indications of a healthy spirit of co-operation, which seems unpalatable to the majority of our trades at home. Our readers will perhaps more easily grasp the position of Mr. Buford if we quote the following passage from his introductory remarks: "I am an enthusiast in my faith in the good which can be accomplished by working together in Hardware associations. In my opinion, trade associations furnish the only remedies on which we can rely for the eradication of pernicious practices which have attached themselves like barnacles to the Hardware business. Unless we can make up our minds to work together, we can never hope again to realize commensurate with the detail and labor profits which devolve on those who are engaged in selling Hardware."

After having thus hoisted his colors in favor of the policy of combination, Mr. Buford proceeded to justify his position in a very practical manner. He referred back to his own experiences of the working of Hardware associations, and put forward some figures which he described as "literally true, and should convince even the most skeptical that our way out of the difficulties which beset us lies through Hardware associations." The experience he had in mind related to six houses in Nashville. He carefully went through the books of these firms and tabulated the quantity of wire nails, Burden's shoes and plain and barbed wire, which had been sold, and the average price during the previous twelve months. The result of the investigation showed that a total profit of about £7000 had been realized by the six firms on these four staple articles. It was the opinion of the firms interested, that had they been cutting against one another, instead of operating mutually, the total combined profit would not have exceeded £1000, and even this estimate was regarded as rather too high. By adopting the same principle in regard to some thirty or forty other staple lines, the members of the Association found their books showing a comfortable balance at the end of the year, which assuredly would not have existed had they worked on lines of antagonism instead of combination.

The facts in the foregoing paragraph will probably bear the appearance of a dream to some members of the trade at home who spend a large portion of their brain power in devising schemes to cut out their neighboring fellow-tradesmen, but the figures are given on good authority, and cannot be easily disregarded. We hope they may induce a greater degree of faith in the advantages of association than we have so far found to exist in this country. The reason for the present apathy to the formation of local combinations is not far to seek, and we think Mr. Buford hit the right nail on the head more than once in the course of his remarks. We quote just one other portion of his speech which throws a little light on this part of the subject: "I am frequently impressed that jealousy and personal spite are very potent factors in selling goods in these days. The desire to prevent a competitor from making a living profit on his goods seems to be as strong as it used to be to make a handsome profit for one's self. This is a 'dog in the manger' feeling, against which every man who does a legitimate business should set his face. Personal spite is the result of unscrupulous competition and unscrupulous competitors, and comes from a selfish indifference to the rights of others."—*The Hardwareman, London, Eng.*

An English Hardware authority states that "probably no branch of manufacture in South Staffordshire has suffered so severely from the effects of German competition as the Cut Nail trade."

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J. Wiss & Son's Addition.

J. Wiss & Son, Newark, N. J., manufacturers of Shears and Scissors, are making an extensive addition to their already large works. This new part, like the rest, will be constructed of North River brick, set in red mortar, with bluestone trimmings. The basement will have brick floors and the floors of the upper stories will be mill construction. The entire plant will have cost the firm upward of $50,000, and it will be one of the best appointed factories in that great city of workshops. The extension will be 38x60 feet and will be added to the main building, which is 38x150. This will give a frontage of 210 feet. Besides, there are in the rear a grinding shop 35x80 feet, a blacksmith shop 35x60 feet and a boiler shop 30x36 feet. There is a fine stack 8 feet in diameter and 90 feet high.

Seed's New Water Filters.

Joseph H. Seed, Nos. 21 and 23 Centre Street, New York, who has made his name known in all parts of the country where Water Filters come up for consideration, has taken



a marked advance step this season by offering a finer line than he has before attempted. He describes them as "the finest line ever introduced in America." What they are, may be judged somewhat from the illustrations here shown. All these sketches are full size. They are made of brass, nickel plated, and will fit almost any sized plain or screw faucets. They are packed one dozen in a box, with assorted rubber attachments. Extra rubbers will be supplied at twenty-four cents per dozen; and filtering materials in one-half pound boxes, at sixty cents per dozen. All these Filters are reversible, except No. 4. A sample of each will be mailed by Mr. Seed, on receipt of retail price for the same. The prices given are as follows:

No. A 1.		No 3.	
Retail Each	$ .75	Retail Each	$ .25
Per Dozen	4.50	Per Dozen	1.75
Per Gross	48.00	Per Gross	18.00
No. 2.		**No. 4**	
Retail Each	$ .50	Retail Each	$ .25
Per Dozen	3.00	Per Dozen	1.00
Per Gross	30.00	Per Gross	11.00

Wood Lemon Squeezers.

John Sommer's Son, Nos. 355–365 Central Avenue, Newark, N. J., has now ready to offer the trade a new line of Wood Lemon Squeezers. made with rosewood, lignum-vitæ, imitation mahogany, and porcelain bowls. They are three inches in diameter, and one-half inch thick, and are described by the maker as "far stronger and superior to anything heretofore on the market." They are trimmed with brass hinges finely plated; brass hinges, not plated; and steel hinges, at a reasonable price. Mr. Sommers has the reputation for making first-class goods, and the trade may be sure that they are as represented. Prices and further description will be sent on application.

The United States Marshal will on June 1 sell the property of the Racine Hardware Co., consisting of real and personal estate located in the city of Racine, Wis., under a decree obtained by the American Trust & Savings Bank of Chicago against the Racine Hardware Co., A. C. Frank, assignee, Stephen H. Seamans as receiver of the Wisconsin Mutual Fire Insurance Co., and others. The amount of the decree is $131,154.12. The sale will take place at the Racine County Court House at 2 o'clock on the afternoon of June 1.

Julius C. Brown, president of the Brown Nut & Lock Co., of Chicago, was found dead on a vacant lot at Twentieth and Jackson Avenues, Kansas City, on April 10th. He had only fifty-seven cents in his pockets and was very peculiarly dressed. Under a white linen shirt he wore two negligé summer shirts of different colors and under a black tailor-made suit he wore a white vest and very light summer trousers, carefully creased. It is thought possible that he might have left the hospital in which he was being treated in Chicago in a demented condition. He was the patentee of the Brown nut and lock adopted by the Illinois Central Railway last summer and of other devices used by the same railway. He had a wife and two children living in Chicago and a mother at Santa Barbara, Cal.

George R. Tingle, Jr., of Washington, and intimately associated with the American sealing industry in Alaska and the Pribilof Islands, in speaking to a HARDWARE reporter of the Hardware industry of that region, said: "The demand for Hardware is supplied by two big companies, the North American Commercial Co. and the Alaska Commercial Co. These companies maintain general supply depots all along the Alaskan coast and on the Pribilof Islands. The demand is largely for harpoon-heads, skinning kuives, materials for repairing vessels, etc. The whole supply is purchased in San Francisco, and carried in ships to Alaska during the spring season. There are a few small stores in Sitka, but no exclusively Hardware shops in all Alaska."

B. J. Jenkins, a prominent Hardware merchant of Montfort, Wis., has died suddenly in the thirty-sixth year of his age.

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WORKS OF F. E. MYERS & BRO.

By far the leading, most useful and heaviest industrial enterprise here is that of F. E. Myers & Bro., manufacturers of pumps and hay tools. This is the largest works in the new world manufacturing pumps and hay tools exclusively. From acorn to giant oak is the history of this industry. Some twelve years ago the foundation of this vast enterprise was laid. Space accorded me for this report will allow only a generalization of facts concerning the history of this firm. These gentlemen were born and raised right in the shadow of this city, six miles east near the small hamlet of Rowsburg. Here it was that the original factory of the famous firm of Studebaker Bros. was first started, and their father was at the head of the wood working department, way back in the fifties. In early manhood, F. E. Myers, senior head of this concern, secured a position as traveling salesman for agricultural implements. With his brother, P. A. Myers, the inventor, he afterwards branched out in operating a mammoth retail implement house. The transition from this, to manufacturing, followed with financial success achieved. And thus have I briefly and quickly led up to the starting of the colossal enterprise now carried on. The extensive plant now utilized comprises four large main structures. Three of these are three stories high, built of brick and in lineal length would occupy 565 feet with an average width of 40 feet and foundry 50x160 feet. Then the storage warehouse is 50x160 feet; besides this are minor buildings and large yards. These structures are all spacious, well lighted and well built; it might be said are erected for all time to come. Probably $200,000 has been used in their construction and equipment. The machinery, devices and appliances are of the heaviest and most modern structure. Much of the machinery has been specially planned and constructed and nowhere else is there a duplication. During the past quarter of a century the writer has visited all the principal manufacturing institutions in the United States, in the many and various branches of manufacture, but in all that time has never inspected any single industry where there was so much diversity of operation. And yet everything here proceeds as regularly as if given over to any only single line. To attempt any detailed elaboration would require pages instead of columns of this paper. Wood, leather, iron, steel, brass and other materials all enter into the composition of the specialties manufactured by them. And skilled mechanics in each line are employed. The machinery is of the best description and the factory is manned by a force of over 200 men. The specialties of construction are well pumps, tank pumps, spray pumps, windmill pumps, hay carriers, forks, pulleys, etc. These find a ready and appreciative market throughout this country, the old world, Canada, South America, West India Islands, and in point of fact, the whole universe. F. E. Myers & Bro. issue periodically a splendid catalogue of about 200 pages, richly accentuated with cuts of their factory buildings, departments, productions and full and minute information regarding their construction and special points of their superiority. Thousands of dollars annually are spent for printers' ink, a large sum for postage and a corps of a full score of traveling men represent them on the road, besides which they have export headquarters in New York. It is a grand sight to inspect their factories and see their skilled workmen employed. In thirteen months' time there has been but a breathing spell of one week necessitated for the overhauling of machinery and repairs. Such is the continued expansion of their business that they are about to commence the erection of additional buildings. One important fact deserves particular mention. Every article turned out by this firm is perfect. The greatest care is exercised to have everything right up to standard perfection. Strength is given to every part of each article where the strain comes. It would be impossible to accurately figure up the extent of their annual business, but it can safely be said to be not less than three quarters of a million dollars yearly. And they are heavily interested in The Bucher & Gibbs Plow Co., of Canton, Ohio. Mr. F. E. Myers is president of this named corporation, and his brother, P. A. Myers, is one of the directorate. Formerly F. E. Myers, the gentleman now the president of this concern, was their traveling representative. He is also the superintendent of their agencies. This is the oldest and largest plow factory in the Buckeye Kingdom. Thus, in a brief manner, for local publication, have I concentrated a chapter concerning a concern whose existence has had so much to do in aiding the growth and development of this city. In a plain, simple manner, have I outlined this successful concern. To this I will add, that Messrs. F. E. Myers & Bro. belong to that strata of men who are more solicited than soliciting. Their liberal public spirit and generosity are shown on all occasions; they are moving and guiding spirits in all commendable and local affairs and are of the forceful, typical class of men whose genius underlies and substantially vindicates Western American character which seems to intensify when one leaves the narrow confines of the East. Both members of this firm are in the prime of life, unostentatious and unassuming, and manage the vast daily details of this industrial enterprise as easily as if but a single personal occupation was on hand. They have given this city a permanent industry whose value can hardly be estimated. And in so doing have displayed a grand measure of pride for the place of their nativity. It can only be said that for Ashland they have done an immeasurable amount of good. Their example is well worthy of emulation and shows what can be accomplished by indomitable energy and rugged perseverance.—*Ashland (O.) Press.*

The Security Sash Balance.

In this issue, on page 55 there appears an advertisement of the above named Balance, which requires no pockets or pulleys in the pulley stiles, and which "will exactly balance a sash at any point, working without a friction screw. It requires no space between the window frame and studding, allowing the plaster to be joined closely to the frame, while the frame may be nailed firmly to the studding, so that the frames cost less where this Balance is used. It is placed on the centre of the window head, out of sight, and free from dust. It can be made strong or weak by the use of a key, and there is but one cord to each sash." Size A will balance a sash weighing from 5 to 25 pounds; Size B from 20 to 40 pounds, etc. Descriptive circulars and discounts to dealers mailed on application to the Richmond Safety Gate Co., Richmond, Ind.

Good Words for "Hardware."

Hall Mfg. Co., Wallingford, Conn: "We admire HARDWARE very much. Your paper is by far the neatest, most attractive and entertaining trade paper we know of."

HARDWARE, published in New York city, appeared last week with a neat and attractive cover and numerous special articles of interest to the trade. This issue commemorated its fifth anniversary and HARDWARE has certainly established itself on a solid foundation in this brief period.—*Detroit Evening News.*

HARDWARE costs only One Dollar a year.

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RECENT TRADE PUBLICATIONS.

W. & B. Douglas, manufacturers of Pneumatic Pumps for Bicycle and Sulky use at Middletown, Conn., with branch houses in New York and Chicago, have issued a handsome little leaflet covering the above line of goods. In this are illustrated and described in full their Douglas Utility Sulky Pump, which is referred to as "the best repair shop pump made;" the Douglas Pneumatic Compressor, which is a recent addition to their extensive line of power air pumps; the Douglas Pneumatic, which is a brass air pump, with flanged iron base, standing about 21 inches high, and fitted with the best quality of rubber; the Douglas Hurricane Pump, which is 1½ inches in diameter, over a foot high, highly nickeled, and fitted with a serviceable cupped leather piston; the Douglas Double-acting Saddle Pump, which it is said will fill a tire almost immediately; the Douglas Nickelette, which is a recent addition to their pneumatic pumps, is nickel-plated and stands 21 inches high; and the Douglas Saddle Pump, which is nickel-plated, and so compact as to be readily carried on the saddle on the road. In a note of introduction the company say: "Appreciating the constantly increasing demand of the bicyclist and racing fraternity for an improved design of Pneumatic Sulky and Bicycle Pump, we have put an experience of over sixty years in the exclusive manufacture of pumps and pumping machinery into the production of a line of tire fillers unequalled on the globe. If you fail to find what you want in this small leaflet, and are in need of pumps of any kind and for any purpose, we shall be pleased to supply your needs at fair prices for the best goods."

The Ferracute Machine Co., Bridgeton, N. J., have published their new catalogue No. 11, describing their full line of Sheet Metal Machinery, comprising presses, dies, etc. The catalogue is bound in attractive red cover, with double sheets folded in, which are also printed in colors, with a handsome border. The catalogue describes over 300 sizes and kinds of presses, although of course only a portion of them can be illustrated. It gives full information on various subjects in the various tables, and the company say that photographs of the presses not illustrated, also sheet metal samples, will be sent on application, and estimates given for all kinds of dies on receipt of specifications. The company in further description say: "The articles produced in our works (all of which are of original design and are carefully planned for strength, convenience and symmetry, according to correct principles of mechanical engineering), consist chiefly of presses and dies for the shearing, cutting, punching, bending, forming, embossing, coining, drawing, deepening, broaching, etc., of bar and sheet metals, together with paper, leather, cloth and other materials. A few auxiliary tools, such as spinning lathes, beading machines, soldering apparatus, etc., are also made, but our business in the regular lines has so increased that we have abandoned the building of miscellaneous machinery."

The Wm. Rogers Mfg. Co., Hartford, Conn., are sending out a new edition of their catalogue which is numbered 40, and is certainly one of the most handsome and artistic trade publications of the year. It contains over one hundred pages, is bound in a handsome cover, with embossed lettering in silver and brown. Their very handsome line of Silver-Plated Flat-ware, Table-ware, etc., is shown in illustrations which bring out the artistic quality of the work in a very fine manner. It will, of course, be impossible to even attempt an enumeration of their various lines, which require two pages of the catalogue to mention. Everything in the line of manufacture described in the title can be found herein. The company say that they have endeavored to make this the most complete list ever issued; have illustrated many new designs, which have been added since their last issue, and add that "the high standard our goods have reached will be maintained in the future, and we hope by supplying the trade with reliable ware, and giving them honorable treatment, to deserve the patronage of all dealers in our line." This catalogue will be furnished to any dealer in the country for the asking.

E. T. Barnum, No. 179 Jefferson Avenue, Detroit, Mich., has kept the printers busy this spring, in the preparation of a number of catalogues, which are just being sent to the trade. These include his general catalogue of 120 pages; one devoted to jail cells and jail work of every description; another to bank and office railings, brass wickets, bank screens, etc.; another to builders' wire and iron work, roof cresting, fire escapes, window guards; one to wire and iron fences, etc., etc. There are also several minor ones, covering special lines of his manufacture. These have been sent not only to the trade in the United States, but to a number of foreign countries as well, and Mr. Barnum will be glad to mail a copy free to anyone upon application, provided specification is made as to the kind of goods wanted, so that he will know which catalogue to send. It is needless to say that Mr. Barnum has made a great success in his special line, and that everything known under the sun in the lines described by the titles above, can be found illustrated in full in these catalogues.

"Seamless Tube Hose" is the title of a monograph sent forth by the Cleveland Rubber Works of the Mechanical Rubber Co., Cleveland, Ohio. The fact that the lessons taught within it are set in musical verse speaks well for the inspiration of the theme—for no man can poetize about rubber hose unless he pretty thoroughly believes in it. The key-note is pitched in this way:

There once was a dealer in *hothes*,
Who sprinkled his lawn when he '*rothes*;
But he frequently found
That instead of the ground,
He was soaking his feet and his *clothes*.

Several pages follow in the same strain, and the moral comes in these words:

To sell Cleveland Hose all should *comments*;
It appeals to men's good common *sents*,
Because it is stronger,
It lasts so much longer,
Means the saving of dollars and *cents*.

We have had occasion heretofore to refer to the Ideal Hand Book No. 6, published by the Ideal Mfg. Co., New Haven. This is filled with useful information to shooters, covering every point of information in regard to the well known Ideal Tools. The book is written in a spicy and entertaining manner, and any dealer or shooter who wishes information pleasantly presented will do well to send for a copy, which the publishers will gladly furnish upon application. We have from time to time illustrated the leading lines manufactured by this company, and hope to present others which are new upon the market at an early date.

The Illinois Pure Aluminum Co., Lemont, Ill., have issued an attractive catalogue of their line of Pure Aluminum cooking utensils, steam jacketed kettles, and other vessels. These articles are illustrated in full, with descriptions and prices, and comprise almost everything under the name above given. A great deal of information is furnished in regard to the advantages derived from the use of goods made of this material. The catalogue will be furnished upon application.

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Coburn Overhead Tramway.

The Coburn Trolley Track Mfg. Co., Holyoke, Mass., are manufacturing a patent Carrying Track or Overhead Tramway, that seems a safe, practical and labor-saving system for moving all kinds of merchandise to any part of a mill or factory. In Fig. 2 may be seen the track when put up ready for use; in Fig. 1 a detailed section of the

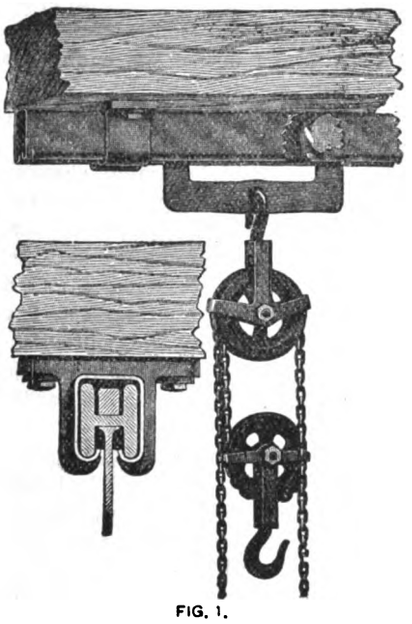


FIG. 1.

same. It is said that there is with this system no possible chance for wheels to get out of or off the track. With single and double switches, and curves, the loads can be easily propelled in any direction desired, and, having a central hanging, an even motion is obtained. This is usually a very easy and cheap device to apply, that depending somewhat on the location and position of the timbers to which the track bed, usually a 3-inch x 10-inch plank is secured. At present they use only two sizes of track on the carrying system, "Regular" and "Large." The "Regular" track is made of 16-gauge steel and used only for light loads, for, while sufficiently strong to carry loads of considerable weight, the diameter of the trolleys is too small to obtain the best results. The "Large" track is made of

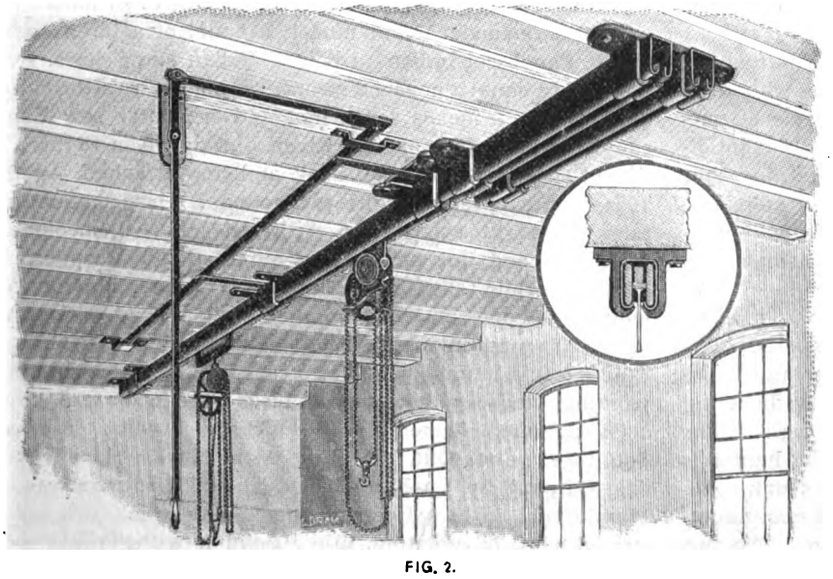


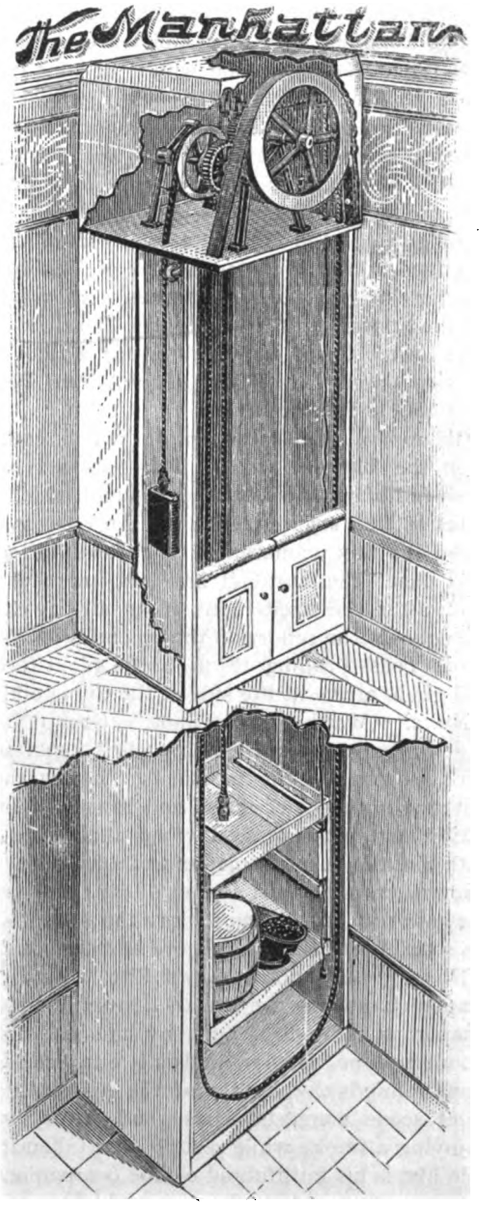
FIG. 2.

No. 13 gauge steel, which, with the addition of brackets can be made to sustain a great weight, but they do not recommend it for use where the load will continually exceed 3000 pounds.

The radius of the curve for the "Regular" track is 18 inches and over. For the "Large" track they use curves three feet and six feet radius. Switches are either single or double. Carriers are made of malleable iron and are both single and double. Single carriers are suitable for loads of 1200 pounds weight. Double carriers for all over that weight. The frequency with which the brackets are applied depends upon the weight of loads to be propelled. With the "Regular" track they recommend using five or six-foot lengths of track with a bracket at end and center, or every two and one-half or three feet. With the "Large" track for loads weighing less than 1200 pounds they would use four or five-foot lengths with bracket at ends only, but for loads weighing over and less than 3000 pounds would use five foot-lengths of track with a bracket every two and one-half feet.

Dumb-Waiters and Elevators.

Among the products of the many factories of the busy manufacturing city of Newark, N. J., probably none are better or more favorably known than the goods manufactured by the Storm Mfg. Co., of that city. The firm have been making Dumb-Waiters and Elevators of various kinds for a number of years. Their line is complete in all respects, and contains almost everything in the line of hoisting appliances from the smallest Dumb-Waiter to the large and powerful elevator. All of their machines are equipped with the best and newest devices for speed, safety and durability, and are thoroughly first-class in all respects, and at the same time moderate in price. They will be pleased to furnish catalogue for prices on application.



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THE FIRST SPORTSMENS' EXPOSITION.

Ere the next number of HARDWARE is laid before our readers, the great Sportsmen's Exposition will be a thing of the past, and live in our minds as a pleasant memory only. Some doubt exists in the minds of some who ought to know, as to the advisability of holding the Exposition in New York, instead of in the West, where the greater number of sportsmen live and where most of the hunting is done. This way of thinking will, however, be corrected by the generous patronage that is bound to be bestowed upon such a praiseworthy undertaking. The Exposition is an assured success from an artistic point of view, and it rests entirely with the generous American sportsmen, as to whether the business end will come out all right.

The numerous exhibitors are fairly out-doing themselves to make attractive exhibits. The scope and variety of the exhibits to be shown is simply marvelous.

The Loan and Trophy exhibits are increasing every day, and the collections alone would be worthy of one or two visits to the Garden, without the general exhibits of the manufacturer. The five elaborate and artistic cycloramic hunting scenes exhibited in the east end of the amphitheatre, were designed and prepared by Frederic S. Webster, the well-known professional taxidermist and naturalist. The figures and groups were constructed and executed and arranged by the Webster Studio of Taxidermy. The designs are original and the scenes were prepared especially for the Sportsmen's Exposition. The titles are: Group 1, "At Last;" Group 2, "Waiting for a Shot;" Group 3, "A Solitary Camp Fire;" Group 4, "A Two Pounder;" Group 5, "A Lost Opportunity."

Group No. 1 is a conception which embodies a scene from the Western wilds. The season is winter, and the fresh fall of snow covers the ground, which heightens the effect of this striking picture. An Eastern sportsman has killed his first monarch of the forest after a long hunt. "At Last" the fatal ball has laid low the majestic ruminant, after the excitement of an all-day chase, and while the echo of the report of the unerring "Winchester" has hardly ceased rolling through the silent forest, the hunter and guide arrive at the side of the dying elk.

No. 2, "Waiting for a Shot." Group No. 2 is a scene which forms a picture which leads the sportsman who loves duck shooting to the marshes. Though the style of pursuit may not spice of action and danger, it is full of anticipation and pleasure, and when this is attained, together with a reasonable complement of a half dozen or more fat, juicy racers of the air, who shall say that marsh duck shooting hath not the charm to lure the ardent sportsman with his spaniel retriever from more stirring scenes?

No. 3, "A Solitary Camp Fire." Group No. 3 represents a chapter in the life of a lover of field sports. The temporary camp fire, built by the old fox hunter on a wooded slope, is slowly dying out. The low flickering flame reminds the hunter of the approach of night. The quiet scene suggests repose, and naturally the hunter is enjoying a smoke while resting on a fallen tree trunk. Beside him is his faithful old canine companion of many hunting days (a fox hound), a scarred old veteran. The two dead Reynards tell the story of the day's work, and the score to the credit of the old brush hunter and his dog goes up higher.

No. 4, "A Two Pounder." We are not all of us trout fishermen, but many of us have felt the thrill of delight when one of these gems of the sparkling waters has struck our whisping flies. Group No. 4 is intended to picture this experience of the fisherman. The cool shattering stream from which a speckled beauty weighing two pounds has been hooked by the fisherman, is a deception produced with charming effect. Its source is indicated by the woodland background. "A Two Pounder" is enough to make any fisherman's face wrinkle here and there, when he has victoriously landed Mr. Salmo Fontanalis, and the fight is over.

"A Lost Opportunity." A common experience of the sportsman is portrayed by Group No. 5. The hunter has been shooting grouse, when the signs of deer are discerned. A report from the gun has sprung the buck at an inauspicious time, while the shells are being adjusted in the unlocked gun by the impatient hunter. The fast retreating buck leaves the shooter rattled, and with disgust pictured in every feature, and he consoles himself by picking up his dead grouse. "A dead grouse in hand is far better than a live buck in the bush."

Loaned by Hon. Theodore Roosevelt, Washington, D. C.: 2 mounted elk heads, 1 mounted buffalo head, 1 mounted mountain sheep head, 1 mounted mountain goat head, 1 mounted peccary head, 1 mounted antelope head and 1 mounted white-tailed deer.

Ninety instantaneous photographs of wild animals, loaned by A. G. Wallihan.

Loaned by Austin Corbin: 1 buffalo head, 1 European stag, 1 buffalo head (Grover Cleveland.) The bull from which this head was taken was killed in a fight with another buffalo in a dispute to settle the rivalry for the supremacy of the herd, after a long battle of two hours. It was mounted by the Webster Studio. 1 wild boar head, 1 wild boar, entire specimen; 1 Himalayan tiger skin, 1 Polar bear skin.

Loaned by A. H. Verrill, New Haven, Conn.: Mounted specimens—1 golden eye duck, 1 velvet scoter duck, 1 group of blue bill ducks (2 birds), 1 wall panel "Dead Game," California quail (2 birds.) A collection of Indian bows, arrows, stone heads, spears, poisoned arrows and other implements of various Indian tribes.

Loaned by William Ziegler, New York City: 1 model of a birch bark canoe, Maine model; 1 model of a birch bark canoe, Penobscot Indians; 1 pair of Indian snow shoes. Penobscot Indians; 2 polished sword fish blades, 1 rattlesnake skin, 6 feet 6 inches long; mounted heads of saw fish, caught in the Caloosihatcher River, Florida, on an 18 thread (linen) bass line and pole, hook and line attached, April, 1893, length 14 feet, weight 575 pounds; 1 large mounted tarpoon, weight 131 pounds, with rod and reel, specimen with hook and line attached; 1 mounted baby tarpoon, 1 mounted white-tailed deer, antlers in velvet; 1 mounted white-tailed deer, fawn; 1 mounted caribou head, antlers in velvet; 1 mounted moose head (adult), 1 mounted moose head (calf), 1 buffalo head (23 years old), 1 water colored painting, landscape with moose, birch bark frame and mat.

Oil paintings loaned by the Webster Studio: Pointer dog, title "Look Out," by Mrs. A. E. Hoyle; black bass, title "Lost," by Le Baron Goodwin; oil paintings by A. Weyderveld, title "Coast Scene," with weak fish and striped bass; oil painting, title "Salmon with Trout;" oil painting, title "Black Bass;" oil painting, title "Striped Bass;" oil painting, title "Brook Trout;" oil painting, title "Brook Trout."

We print herewith a plan of the Madison Square Garden with exhibition spaces. Also a summary of the displays to be made by the different exhibitors, and portraits of the efficient secretary and treasurer, who have done so much towards making the Exposition what it is.

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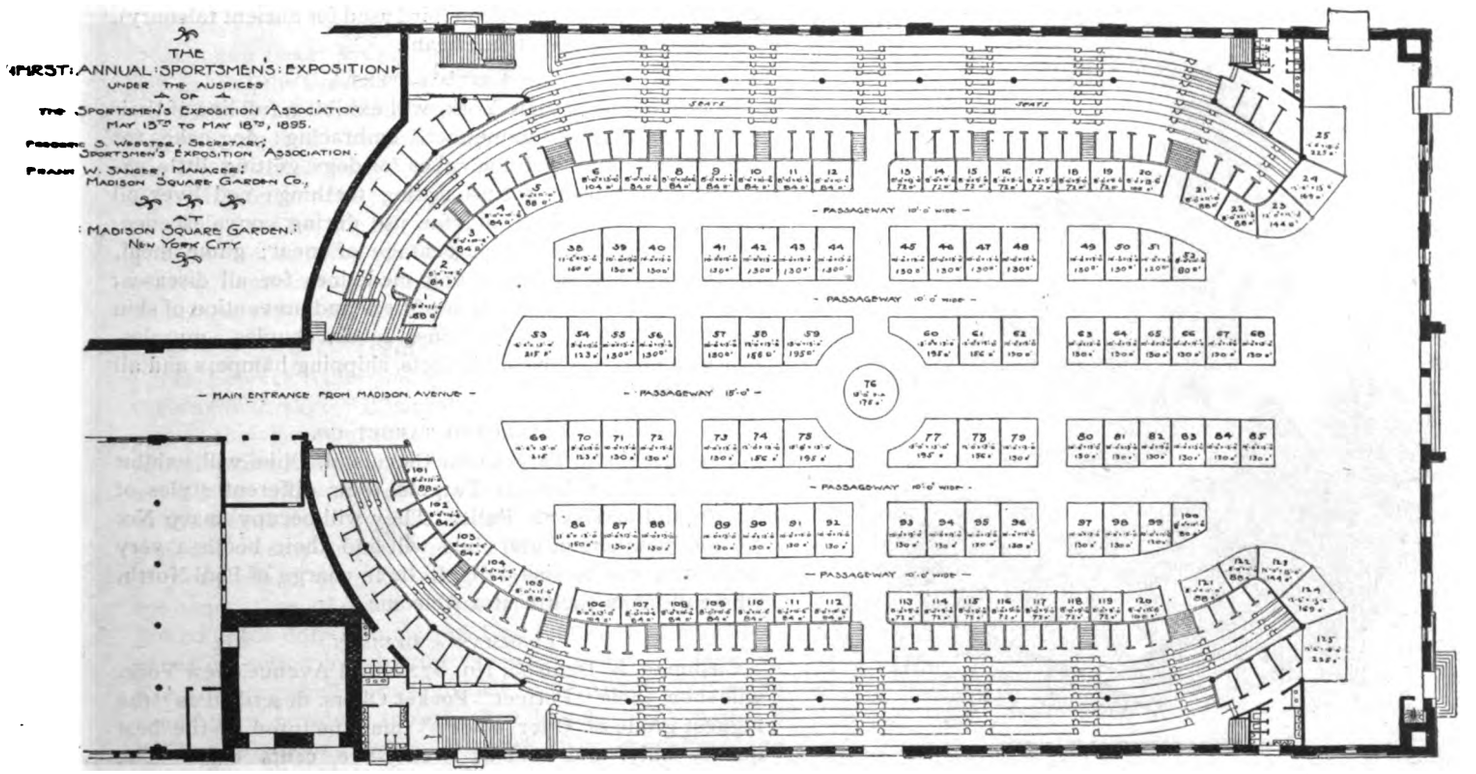
HUNTER ARMS CO.

The Hunter Arms Co., Fulton, N. Y., will be found in section 72. They say that, first of all, it is their aim to make their exhibit as educational as possible. "The Gun business is almost infinite in its details, and we find that a large proportion of the sportsmen throughout the country know very little about the actual processes and the immense amount of work it requires to make a complete and perfect Gun. We will show Gun barrels from the tube in all of their different stages of manufacture until they are turned out complete; will also show the working mechanism of our Guns. The Smith Gun has the strongest and simplest lock in the world. We expect to have this demonstrated quite forcibly by all of the pieces which will be put into a small frame that can be handed around among the interested; will also have one of our Ejector Guns cut away in such a manner as to show the work of the locks and also the Ejector mechanism. This particular class of Gun has become very popular among the shooters. We now make them in ten different grades ranging in price from $75 to $500. We will also, of course, have a full line of samples.

grade No. 1 Famous St. Lawrence River Skiff, fitted with rowing and sailing outfit complete; another will be a Special St. Lawrence River Skiff somewhat different from their regular model, and made more for anglers' use for New York water; another boat will be one of their Lake St. Francis Hunting Skiffs, as described on page seven of their 1895 catalogue. They will also show a yacht's dinghey or tender, similar to their No. 31 as shown in the catalogue; also a No. 45 or 46 Canadian paddling canoe, and perhaps an Adirondack Hunting Skiff; also one of their No. 4 Famous St. Lawrence River Skiffs. Besides the above boats they will show a number of paddles and oars of different kinds. It is not their intention to make a very elaborate display of boats made especially for the exhibition. "We are merely going to show," they say, "our regular stock boats so that the sporting public can see exactly what they will get should they order boats from catalogue description only."

IVER JOHNSON'S ARMS & CYCLE WORKS.

This establishment, of Fitchburg, Mass., will exhibit the following: Two bicycles, twelve Champion Single Shot



It is going to be our aim to show the American shooters as far as we possibly can that American manufacturers can make fine Guns. We will have on exhibition several of our A-2 $275 grades. In all probability we will have some very fine engraving to show the boys in the way of inlaid gold dogs in lock plates, etc. Through the kindness of one of our patrons we expect to be able to exhibit one of our A-3 $500 Automatic Ejectors. We will be proud to set this Gun beside any gun in the world, no matter by whom made, as we are confident it will prove a winner in every sense of the word. It may interest your readers to know that the Smith Ejector Gun by actual count of parts is the simplest Gun in the world. Our plant is composed of a main building 220 feet long, 50 feet wide and four stories high. We have never closed our factory during the panic season owing to the large trade we have on high grade Guns. Our case hardening department, engine and boiler room, brazing and drop forging rooms are all in separate buildings. Our Gun plant is pronounced by many, who have been over it, as one of the most complete in the whole country."

ST. LAWRENCE RIVER SKIFF, CANOE & STEAM LAUNCH CO.

This company, with headquarters at Clayton, N. Y., will show at least six different craft, one of which will be their

guns, about sixty-four I. J. Safety Hammer and Hammerless Revolvers, about twenty-four American Bull-Dog double action, and about twenty-four Defender Single Action revolvers. They will have an attractive catalogue to give away, will occupy Space No. 62 and have special showcases made for this Exposition.

HAZARD POWDER CO.

The Hazard Powder Co., New York, will show their various grades and qualities of powders. The big powder kegs which will be seen in the foreground of the exhibit are simply exaggerated samples of the packages in which the Hazard powder is shipped. The showcases to be placed in the center will contain the following articles:

Bottle No. 1 will be filled with crude saltpetre. This is imported by the exhibitors from Calcutta, India and is used exclusively in the manufacture of black sporting powders.

Bottle No. 2 contains saltpetre after being refined, and as shown in the sample is ready for mixing with the other ingredients used in making powder.

Bottle No. 3 contains lump brimstone (sulphur) as received.

Bottle No. 4 contains brimstone ground at the mills, ready for mixing with the other ingredients.

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Bottle No. 5 contains lump charcoal, burned especially for the exhibitors.

Bottle No. 6 contains powdered charcoal, showing the condition after preparation for powder.

Bottle No. 7 contains composition, the mixture shown being refined saltpetre, brimstone and charcoal, for the "Kentucky Rifle" quality.

Bottle No. 8 contains a piece of press cake. These are two feet square when manufactured, and result from composition after a pressure of several hundred tons.

Bottle No. 9 contains unglazed grain powder, which is produced by graining from the press cake. After drying, glazing, assorting and packing the finished powder is as per sample shown of "Kentucky Rifle."

Bottles Nos. 10, 11, 12, 13, 14, 15 contain the several size grains of "Electric" powder, illustrating the highest grade of black sporting powder manufactured. Used for long range and fancy shooting, burning extremely quick and leaving no sediment.

Bottles Nos. 16, 17, 18, 19, 20, 21 contain "Duck Shooting" powder, in six sizes of grains. Its name implies its



J. A. H. DRESSEL, TREASURER.

purpose; it is a much stronger powder than the "Kentucky Rifle" and is adapted for shotgun use entirely.

Bottles Nos. 22, 23, 24 contain the three size grains of Hazard "Trap" powder, made especially to supply a demand for a strong, clean and moist burning powder for trap and wing shooting.

Bottles Nos. 25, 26, 27, 28, 29 contain the popular size grains of Kentucky Rifle powder for general use in rifles and shotguns.

Bottle No. 30 contains the "Hazard Smokeless Powder." "Blue Ribbon" band for use in shotguns only. Made in but one size grain as shown, about half the weight of black powder. It makes no smoke, contains nothing that will injure the gun barrels, or impair the eyesight, and is safe, reliable and pleasant to use.

WINCHESTER REPEATING ARS CO.

The Winchester Repeating Arms Co., New Haven, Conn., and New York, will exhibit the well known Winchester Repeating Rifle in its different styles, their exhibit being practically the same as made by the company at Paris, Melbourne, Chicago and other points. They will also show their repeating shotgun, rifle sights and prepared ammunition. This will embrace metallic ammunition for rapid firing cannon, armor piercing projectiles, etc., as well as samples of steel plate pierced by their projectiles.

UNION METALLIC CARTRIDGE CO.

The Union Metallic Cartridge Co., Bridgeport, Conn., and New York, will display a full and complete line of its products, including everything in the way of cartridges, from the 22 calibre revolver cartridge to the great brass shells for use in high power rapid firing guns. Also caps, primers, gun wads, paper shot shells, primed shells, bullets and samples of other products turned out by the company.

WEBSTER STUDIO.

The Webster Studio, No. 106 East Twenty-third Street, New York, will exhibit trophies of the chase, embracing mounted heads and full mounted specimens. The specimens to be exhibited are as follows: Mounted heads: seven moose heads, one mountain sheep, one gombok (antelope), one wild boar, two buffaloes (adults), one buffalo (three years old) and one barren ground caribou.

Full mounted specimens: one Hudson Bay wolf, one African leopard, one black bear (Albino), one kangaroo, two wild boars, one golden eagle (loaned by Geo. K. Vanderbilt), one pregrime falcon (bird used for ancient falconry), and three flamingoes (American).

SPRATT'S PATENT.

Spratt's Patent, New York, will exhibit a full line of their patent dog food and game meal, embracing: dog cakes for all sporting dogs; pet dog cakes for dogs getting little exercise; puppy cakes for use during teething; cod liver oil cakes for delicate dogs and for use during convalescence; greyhound cakes, extra percentage of meat; game meal, for pheasants, quail, etc.; dog medicines for all diseases; dog soap, for the destruction of fleas and prevention of skin diseases; also collars, chains, leads, couples, muzzles, brushes, combs, gloves, blankets, shipping hampers and all kennel appliances.

CLEVELAND TARGET CO.

The Cleveland Target Co., Cleveland, Ohio, will exhibit samples of their famous Targets, their different styles of Traps, and of Electric Pulls. They will occupy space No. 56, and members of gun clubs will find their booth a very interesting one to visit. It will be in charge of Paul North, who will make each visitor welcome.

CUSHMAN & DENISON.

Cushman & Denison, No. 172 Ninth Avenue, New York, will show their "Perfect" Pocket Oilers, described as "the highest grade of Oiler made;" manufactured in the best quality only, and sold at twenty-five cents each. The "Star" Oiler, a first-class article of the medium grade, and a very good article for the price charged—ten cents. The exhibit will consist of the case which won the Medal at the World's Fair of 1893, and of a stand handsomely covered with maroon plush.

GAS ENGINE & POWER CO.

The Gas Engine & Power Co., Morris Heights, New York City, will occupy spaces Nos. 53 and 54, where they will have two Naptha Launches on exhibition.

MARLIN FIRE ARMS CO.

Marlin Fire Arms Co., New Haven, Conn., can be found in space No. 59, in the center, and a case of oak base and all plate glass above, being plate glass upon all sides and top. In this they will arrange one hundred or more Marlin Rifles of all the models, showing Muskets, Rifles with straight and pistol grip of all styles of butt and finish. The wood will be American and English walnut, bird's-eye maple, sycamore and other special woods. They will exhibit Guns of nickel, silver, oxidized silver and gold plating, blued and case hardened finish; will have some Guns fully gold-plated, being duplicates in some respects of the gun at the World's Fair which was the only full gold gun there; will exhibit their Take-Down with interchangeable barrels

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and styles of magazines; also Revolvers with blued finish, nickel, silver and gold-plating, rubber, pearl and ivory stocks. Also Marlin Sights and specialties such as Rust-Repeller.

LE ROY SHOT & LEAD WORKS.

The Le Roy Shot & Lead Works, No. 261 Water Street, New York. The exhibit made by this company will embrace 55 samples of shot, covering everything in the shot line, from ounce balls to dust shot, which contains 2600 pellets to the ounce: also soft, chilled, buck shot and balls. Special attention will be paid to the half-sizes, known to the sporting fraternity as trap-shot. The company will also exhibit taxidermists' specimens of birds and animals.

VON LENGERKE & DETMOLD.

Von Lengerke & Detmold, No. 8 Murray Street, New York, will exhibit Francotte guns, Schultze Smokeless powder, Walsrode smokeless powder, fine English leather sportsmen's goods, fine fishing tackle, new novel live pigeon traps worked by electricity and automatic mechanical pulley arrangements, lu-mi-num bicycles and fine ballistic testing instruments.

HERMANN BOKER & CO.

Hermann Boker & Co., No. 101 Duane Street, New York, will exhibit the Spencer repeating shotgun in the following varieties: Grade D, plain twist barrels; grade C, Damascus barrels; grade B, Damascus barrels engraved; grade A, Damascus barrels full plated; and a special Spencer "Trap" gun exhibited for the first time. Also the Hollenbeck gun, manufactured by the Syracuse Arms Co., in the following grades: No. 0, twist, plain, hammerless; No. 1, twist, engraved, hammerless; and a new ejector gun with Damascus barrels on exhibition for the first time.

LEFEVER ARMS CO.

The Lefever Arms Co., Syracuse, N. Y., in reference to their exhibit, say: "It is gratifying to us to be able to present to the visitors of the Sportsmen's Exposition a system of Automatic Breech Loading Hammerless Shotguns that are neither undeveloped or untried. We are proud to refer to the record made by the Lefever Gun, extending over a period of twenty or more years. There are tens and tens of thousands of our guns doing good service in the hands of sportsmen throughout the United States and Territories. We build the only Hammerless Gun that is fitted with compenested action to take up the wear in every direction. The Guns we shall furnish are all bored and built for the use of nitro powders, though they handle black powders with equally good results. We shall make an exhibit of the different grades of Automatic Breech Loading Hammerless Shot Guns that we manufacture. These will be of the various grades and gauges. We expect that sportsmen will be particularly interested in our Guns, which are fitted with our new Automatic Shell Ejector. There has always been a prejudice against Automatic Ejector Guns of all manufacture, because they were complicated in their mechanism. We have overcome this objection, for our Ejector Gun is simplicity itself in its construction, consisting of only two pieces, one in the frame and one in the hammer. Simple as it is, it does the work to perfection, ejecting only the discharged shell and throwing it with force a considerable distance. The space we will occupy will be known as No. 93 and the party in attendance will be pleased to give any information or answer any questions about our Gun."

WILLIAM LYMAN.

William Lyman, Middlefield, Conn., will have an attractive exhibit, consisting principally of his rifle and shotgun sights, and also revolver sights of various kinds. These will be shown in a glass case in Space No. 93.

EXHIBIT OF E. I. DU PONT DE NEMOURS & CO.

The space occupied by E. I. Du Pont de Nemours & Co. has been arranged with the view of exhibiting the raw materials that enter into the manufacture of gunpowder, the manufactured article itself in its various forms, and also the packages in which the powder is sold. The arrangement of these empty packages is unique and original. A cabinet occupies two sides of the space, of which cabinet the upper part is open, the back and sides being lined with plate-glass mirrors. In this cabinet is grouped a collection of kegs and canisters, in such a manner as to show each individual keg, and yet have a neat and tasteful form. The kegs and canisters, reflected in the mirror, their gay colors contrasting finely with the cream white and gold of the cabinet, make a striking picture which must be seen to be fully appreciated. At the sides of the groups of kegs are arranged eight large clear glass bottles, containing the raw material from which gun powder is made. The materials thus exhibited are as follows:

Saltpetre: The crude salt as it comes from India.
Saltpetre: Crystalized.
Saltpetre: Refined, 1 in 10,000 of impurity.
Sulphur: Common.
Sulphur: Refined.



FREDERIC L. WEBSTER, SECRETARY.

Willow Wood: From which the charcoal for the fine sporting powder is made.
Willow Charcoal.
Charcoal: Common, for the lower grades of powder.

A show case stands in the front of the space, in which are exhibited a number of samples of gun-powder and explosives. They are placed in crystal glasses resting on a bed of rich velvet. The regular grades of rifle and shotgun powders are designated by the letters, OTP, Fg, FFg, FFFg.

V. G. P.: Is a superior Trap shooting powder.
Choke Bore: A selected powder well suited to choke bore guns.
Gun Cotton: Service Gun Cotton of the U. S. Government.
Gun Cotton: For use in the manufacture of Blasting Gelatine.
Gun Cotton: For use in the manufacture of Smokeless Powder.
Smokeless Powder: For Shot Guns.
Smokeless Powder: For 22 cal. Gallery Rifles.
Smokeless Powder: For 45-90-300, 38-55, 32-40, 32-20 and 25-20 rifle.

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Smokeless Powder: For U. S. Government 30 cal. Rifles.
Smokeless Powder: For Field Guns.
Smokeless Powder: For 6-inch and 8-inch rifled guns.
Curical Powder.
Hexagonal Powder.
Sphero-Hexagonal Powder.
Prismatic Powder: For 5, 6, 8, 10, 12 and 13-inch Rifles.
Saluting Powder: U. S. Army.

An assortment of loaded shells for shotguns is a special feature. A piece of mica has been introduced into the side of these shells, so that the position of the powder, wads and shot can be plainly seen. These shells have been loaded in the best manner, and the wadding as shown, is the best in use with the justly celebrated "Du Pont Smokeless."

Another feature of this exhibit is a Winchester rifle, from which have been fired one hundred shots of the Du Pont Smokeless Rifle Powder, the barrel being in the condition the last shot left it, not having been cleaned. The rifleman has but to look at the interior of this barrel to be convinced that the powder fired from that rifle is the cleanest, and least injurious to the barrel yet discovered.

Blasting Powders shown by Messrs. E. I. Du Pont de Nemours & Co. are as follows:

A, Blasting: Used for quarrying and rock blasting, and for all kinds of work which is too hard for the cheaper B, blasting.

C, F, FF, FFF, FFFF and FFFFF, are the sizes of grain exhibited.

B Blasting, is shown in the following sizes, and is used for coal mining and for earth blasting.

CCC, CC, C, F, FF, FFF and FFFF.

PARKER BROS.

Parker Bros., Meriden, Conn., and New York, will have an exhibition, comprising a case holding fifty of the Old Reliable Parker Guns of the different styles they make, both hammer and hammerless: a full assortment including 8 to 10 bores; weights running from 5¾ to 14 pounds.

BRIDGEPORT GUN IMPLEMENT CO.

The Bridgeport Gun Implement Co., Bridgeport, Conn., and New York, will exhibit a full line of loading and cleaning implements of every variety and price, as manufactured by them, showing the most modern methods of loading shotgun shells by hand, as well as by machine, and the latest methods of measuring nitro powders. In this connection they will also exhibit a number of very old style loading outfits, which form an interesting comparison with the modern tools.

In addition to their gun accessories the Bridgeport Gun Implement Co. will show a full line of bicycle sundries, including the celebrated Bridgeport Cyclometer in all styles, bicycle stands, lantern brackets, whistles, oilers, lanterns, toe clips, bells, etc.

SCHOVERLING, DALY & GALES.

Schoverling, Daly & Gales, Nos. 302 Broadway and 84 Duane Street, New York. This exhibit will consist of Charles Daly guns, a number of which have been gotten up specially for this Exhibition. Some of them are works of art, the like of which has never been seen in this country. They also have made up some samples of guns with the Krupp steel barrels. These barrels, it is said, "according to actual test, are much stronger than any shotgun barrel used." They also have a fine exhibit of the Charles Daly three-barrel guns, showing the gun in various grades; also with the fluid steel barrel. They have a fine selection of Sauer & Sons', Suhl, Germany, guns which are made by machinery, and is a very special medium priced article. They represent the Marlin Fire Arms Co., New Haven, and have a fine selection of rifles and revolvers of their manufacture. These include the new Take Down Rifles which were put on the market last year, and a number of finely finished guns made specially for this occasion. They also represent the new rifle made by the Savage Arms Co., which will use a 30 calibre smokeless cartridge similar to those used by the U. S. Government and the foreign countries who have adapted the new small calibre smokeless powders. They also represent the Ideal Mfg. Co., who make a very interesting exhibit of their leading tools, and the numerous unique implements for cleaning, etc. manufactured by this enterprising firm.

In the sporting department they represent the well known lawn tennis manufacturers, Wright & Ditson of Boston, who are the leading tennis makers of the world. Their championship tennis ball is not only sold and adopted in this country, but in a great many foreign countries, and is kept by dealers in almost every country in the world. A. J. Reach Co., base ball, boxing glove and striking bag manufacturers, have an interesting exhibit. They are of the leading manufacturers of their line in this country. They also exhibit golf goods made by Wm. Park. Jr., of London, and Wm. Ferney of Troon, Scotland, as well as a line of their own make which are made in this country. A complete line of fishing tackle is also represented, showing the various grades from the cheapest to the best. They also show an interesting exhibit of picnic hampers which are used extensively abroad, and will probably become popular in this country. A complete line of fencing goods is also shown. These include foils of all descriptions made in Paris and Solingen. A large assortment of canvas and leather hunting clothing, shoes, leggings, etc., will be displayed, also gun cases both imported and domestic. They also exhibit a complete assortment of athletic clothing which includes sweaters, tights, jerseys, shoes, belts, etc.

HULBERT BROS. & CO.

Hulbert Bros. & Co., No. 26 W. 23d Street, New York, will exhibit a full line of athletic and gymnasium goods; field games including golf, lawn tennis, baseball, etc. They will also show a large variety of suitings for ladies' and men's bicycle suits; Majestic wheels, ladies' and men's; fly rods, lines, reels, flies, a complete line of cameras, and photographic outfits for both amateurs and professionals, and an assortment of boats and canoes. Two of the novel features of this exhibit will be the Kenwood sleeping and camping bags, which are woven from one piece of felting. These bags are warm, soft and waterproof; also show a lean-to camp similar to those used in the Maine woods. The camp will be fitted up with everything needed for the hunter's convenience.

IDEAL MFG. CO.

The space accupied by the Ideal Mfg. Co., New Haven, Conn., will be No. 59, directly in the centre, next to the Marlin Fire Arms Co. They will have a fine quadrangular case of quartered oak and French plate glass, enclosing a pyramid covered with black velvet, on which the various cartridge reloading implements manufactured by them are arranged in an artistic manner best adapted to show them up to good advantage. This case is the same one that was at the World's Fair at Chicago, and in it may be seen the original card that was issued at the Fair, announcing the medal of award to them. In addition to the medal, they were awarded four honors, which was the highest number given to anyone in this line. A full detailed description and illustration of each machine and implement manufactured by them is given in our unique catalogue, which is known to the trade and shooters as the Ideal Hand-Book. Hardware dealers who handle sporting goods will find one of these books of value to them, as it contains much matter pertinent to the trade as well as the consumer.

A. G. SPALDING & BROS.

A. G. Spalding & Bros., Nos. 126 to 130 Nassau Street, New York. They will have on exhibition a complete line of athletic and sporting goods, showing same in an entirely novel way; all styles of implements used in baseball, arch-

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ery, cricket, golf, lacrosse, tennis, skating, hunting, fishing, foot ball, gymnasium, etc., etc., and an attractive line of athletic clothing used in all kinds of outdoor and field sports. In connection with sporting goods, they will have a line of boats made by the St. Lawrence River Skiff, Canoe & Steam Launch Co., of Clayton, N. Y., and this exhibit will contain some of the work shown by this company at the World's Fair in Chicago. There will also be a very attractive display of the celebrated Peck & Snyder "American Club" ice skates, for which A. G. Spalding & Bros. are the sole selling agents.

"HARDWARE" PUBLISHING CO.

In Space 14, HARDWARE will be pleased to entertain its friends, and all are invited to call at the stand over which will be found a handsome gilt sign bearing the following inscription:

ALL THE NEWS. **HARDWARE** HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market. One Dollar per Year.

Published by the HARDWARE PUBLISHING COMPANY, No. 165 Chambers Street, New York

This space will be fitted up in office shape, and visitors who may be present from any part of the country are invited to call in and rest themselves, write to their friends, or make use of our facilities in any possible way. Representatives of HARDWARE will always be in attendance, to give callers a hearty welcome.

This will be headquarters for the Hardware trade in attendance at the Exposition.

SMITH & WESSON.

Smith & Wesson, Springfield, Mass., will have an exhibit consisting of a large upright showcase of quartered oak, eight feet long, four feet wide and eight feet high, having plate-glass on all four sides and on top. This case was one used at the World's Fair and is very ornamental and attractive in itself. It will contain samples of their full line of models of revolvers, single action, double action, safety, hammerless and target and of single shot pistols and other articles manufactured by them and pertaining to their particular style of arms. Included in the exhibit will be a quantity of beautifully finished and decorated specimens of their work, elaborately enrgaved and inlaid with gold and having pearl, ivory and repousse silver stocks, the latter the work of such well known houses as Tiffany & Co. and the Gorham Mfg. Co. One particular revolver is a very fine specimen of the engraver's work, consisting of engraving in relief, with back-ground of inlaid gold. This single sample represents nearly a year's work of the engraver, and is probably the most elaborately finished revolver in existence. Other revolvers will also be shown.

C. G. GUNTHER'S SONS.

C. G. Gunther's Sons, No. 184 Fifth Avenue, New York, will exhibit mounted heads, full mounted specimens, and furs of every kind.

In center of space will be a large rock 9 feet high, 12 feet long, covered with moss and ivy; on top of the rock one of the largest mounted buffaloes in the world. Mounted animals and heads will be set in and around the rock, making a grand center piece.

There will be four large white columns 18 feet high, one at each corner of the space. On top of the columns will be mounted eagles of the various kinds. About twenty-four heads will be hung around each column, such as moose, elk, caribou, all kinds of deer, buffalo, musk ox, antelope, Rocky mountain sheep, mountain goat, roan antelope, gaur ox, sable antelope, walrus, wart hogs, wild boar, eland, water buck, roebuck, reindeer, ibex, nylghau, bosch bok, koodoo, hartebeest, gnu, oryx, gems-bok, riet bok, pallah, spring bok, gazelle, cape buffalo and many others too numerous to mention.

Two large glass showcases will contain some of the finest and largest skins and ready for use ever shown, such as Royal Bengal and Mongolian tigers, lions, leopards, cheetah, nebulous ounce, jaguar, black jagaur, white polar bear, black brown, Isabella and grizzly bears, panthers, ocelots, lynx, wild cat, all the different foxes, in fact all the skins of fur-bearing animals in use today. In the way of showing what useful articles can be made from skins they will have a line on hand for sale. The sportsman will find at this exhibit almost any article that can be made from skins. We name a few: elephant's feet made in game, wine and cigar cases, etc. Vests for hunting, golf, yachting, iceboating, trap shooting, skating, toboganning, driving, sleighing, etc. Coats for hunting, sleighing and for evening wear. Robes for traps, sleighs, etc., steamer rugs, floor rugs and mats, with full heads, natural teeth and claws, sleeping bags for hunting, steamer bags, leggings, slippers, field pouches, tobacco bags, and many others.

If space will permit the following mounted animals will be exhibited: moose, elk, caribou, deer of all kinds, antelope, Rocky mountain sheep, mountain goat, angora goat, Russian Wolf, prairie wolf, black wolf, white wolf, timber wolf, panther, jaguar, ounce, leopard, brown, black grizzly and white Polar bears, ocelot, wild cat, lynx, the various foxes, groups of mink, otter, beaver, martens, skunks, raccoon, fitch, fisher, ermine, Russian sable, badger, Persian lamb, opossum, chamois, prairie dog, village, Siberian squirrel and many African animals. Four large bears, brown, white, grizzly and black, holding salvers will be placed near aisle; the salvers will hold books on fur-bearing animals, to which visitors will be welcome.

OVERMAN WHEEL CO.

The Overman Wheel Co., Chicopee Falls, Mass., will show an attractive line of goods of their own manufacture. They have endeavored to make the exhibit as educational in its character as possible, and with that purpose in view will show quantities of raw material, and goods in the various processes of manufacture. Among the goods shown will be baseballs, mitts and gloves, bats, uniforms, baseball sundries, masks, golf implements, boxing gloves, striking bags, pulley weights, lawn tennis balls, rackets, footballs, etc.

REMINGTON ARMS CO.

The Remington Arms Co., Ilion, N. Y., and New York. The exhibit made by this company will consist of a full line of their hammerless, semi-hammerless and hammer guns, in all grades, from the ten dollar semi-hammerless gun to the two hundred and fifty dollar double barrel hammerless gun; a full line of Flobert and sporting rifles, as well as military rifles, including the modern Lee rifle in small calibre, as used in the United States Navy. In this exhibit are included a line of military rifles, showing every model made since the organization of the company in 1816, since which over 1,000,000 rifles have been furnished to the various governments of the world.

In this exhibit will also be included displays of the modern hammerless gun in all its stages of manufacture, from the raw material to the finished gun. Also a case containing fifteen antique arms, selected from the large collection which the company have at their armory at Ilion, N. Y. The exhibit is contained in solid quartered oak showcase with bevelled glass front.

WIEBUSCH & HILGER.

Wiebusch & Hilger, No. 84 Chambers Street, New York. This exhibit consists of a full line of medium and high grade hammer and hammerless guns manufactured by F. Dumoulin of Belgium, and an assortment of Flobert rifles, standard and fancy patterns. Also the well known Stevens pistols, rifles, shotguns, and a new rifle known as the Ideal. Also the well known S. S. Smokeless Powder; working models for hammerless guns; carved stocks and samples of Damascus barrels in the different stages of manufacture.

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The exhibit will be surmounted by letters in electric light "Smokeless S. S. Powder" for which the exhibitors are the general sales agents.

TATHAM & BROS.

Tatham & Bros., No. 82 Beekman Street, New York, will show a miniature shot tower from 20 to 25 feet high, with working machinery, showing the method of dropping shot, hoisting it out of the tank, polishing and sorting the various sizes of shot and separating the good from the bad. This will show practically the whole process employed in the manufacture of shot, except the dropping of the lead and the bagging which cannot be conveniently done at the Garden. The finished shot will be dropped from the tower instead of the molten lead. A full line of the products will also be shown.

Saw Works at Full Capacity.

The E. C. Atkins Saw Works have this month been running to their full capacity, giving employment to four hundred men. These works about a year ago began manufacturing band saws in addition to circular and cross-cut saws, and have made a great success of this class of work and are now considerably behind their orders. This week some of the departments shut down to enable the company to remove the large boiler from the old to the new boiler house, and the company is to put in an additional engine of five hundred horse-power. The company has recently purchased some new machinery of a superior type, and has plans prepared for a new office building which will be a credit to the establishment, erecting it on the corner of Illinois and South Streets.—*Indianapolis Journal.*

Philadelphia Hardware Association.

Meade Post Hall, Philadelphia, on Thursday evening, May 2nd, was the scene of a meeting of the Philadelphia Hardware Association. Several candidates' names were presented for membership and seven were elected. Prospects indicate that before the end of the year the membership will be enlarged at least fifty per cent. After the transaction of the usual business, H. L. Stortz offered a resolution that a committee be selected to make the necessary arrangements for reading papers and holding debates on subjects of interest to the Hardware trade. The resolution was adopted without opposition. The members then partook of a substantial supper at Boothby's restaurant.

E. Bissell, Son & Co., No. 12 Murray Street and No. 15 Park Place, New York, announce their last cutlery auction sale of the season, to be held on Wednesday and Thursday, May 15th and 16th, at 10 A. M. They will also, on May 16th, have an unreserved "cleaning out" sale. Dealers who appreciate a good chance, should study the details in their card upon another page of this issue.

Patterson, Gottfried & Hunter, Nos. 146 and 150 Centre Street, New York, are sending their friends a handsomely colored pocket map of New York, which not only shows the State and its surroundings in fine shape, but also introduces the receiver to the Coldwell Lawn Mowers, as leaders in their line.

The Samuel I. Goodall Co., Philadelphia, manufacturers of Bailey pattern iron and wood planes, are now tempering the cutters of the same under an entirely new process that gives them a keen cutting edge. They will be pleased to give further information on application.

Attention is specially called to page 54 of this issue, where Hulbert Bros. & Co., No. 26 East Twenty-third Street, New York, announce a Fire Sale of revolvers, sporting goods, etc. This is a rare chance to obtain bargains in this line.

Review of the Markets.

The past week marks an improved condition in the money market and shows a return of confidence. A statement made by the Comptroller of the Currency, indicates that the deposits of the savings banks of New York have been largely increased, and the reserve is far ahead of the requirement. Time money is easy, ranging from 2@3½ per cent., as to collateral and date of loan. Call money is quoted at 1½@2 per cent. The prospects for business thus far in May are brighter than since the slump in May, 1893. The agricultural prospects are also favorable, contrary to the reports in the early spring. The average of wheat and cotton will fully equal that of last year. The only depressing feature is the unsatisfactory condition of the U. S. Treasury. The monthly statement of the Treasury Department shows a deficiency of over $45,000,000 for the fiscal year up to April. The exports of gold and silver from the port of New York last week aggregated $388,797 gold and $565,066 of silver.

Hardware: Business has shown a slight though steady advance for the last three months, the volume of trade being considerably larger than for the corresponding three months of last year. Prospects indicate a still further improvement, and the trade are beginning to see things in a brighter and more hopeful way. The effect of the unusual activity in building circles will be felt soon. Up to the present time, the dealers in structural iron work are about the only ones that have been greatly benefited. When the buildings are nearing completion, a large call for builders' Hardware is expected. The orders for general Hardware are still small, and carefully selected, very few stocking-up orders having been booked. The majority of orders are by mail, houses preferring this medium, instead of ordering through traveling salesmen. The demand for bicycles is very large, manufacturers having hard work to fill orders.

Cutlery: A fair trade is reported in domestic grades, but there is no improvement in the import trade. The German strikes still continue, making it impossible to procure goods from the German makers.

Nuts and Bolts: There have been no changes in prices lately, although the information comes from Cleveland of the advance in the price of iron, $2.00 per ton, which should cause a rise in the prices of nuts and bolts. Business in the East is not in a satisfactory state, the volume of trade not being what it should. A better feeling exists in the West.

Wire Nails: The trade is in a flourishing condition, and a large amount of new business is being transacted: in fact, the mills have more orders than they can take care of. Prices are up, 90 cents being the bottom figures for carload lots at Pittsburg, while small lots bring 75 cents. The New York quotations are $1.10 for carload lots, and $1.15 to $1.20 for small lots out of store.

Cut Nails: The market is in a healthy condition, there being quite a large demand for cut nails. Prices are maintained, and the manufacturers report many new orders. The quotations are for carload lots on dock 80 cents at a 60 cent average. Small lots out of store 95 cents.

Tacks: The new list evidently meets with the approval of the trade, as there have been no complaints made about it. Prices are more uniform. Orders are more numerous, but the improvement is no doubt due more to the naturally better condition of business than to the effect of the new list.

Red Lead: Lots in kegs less than 500 pounds, 6 cents; in lots of 500 pounds and over, 5½ cents. German, 4¾ to 5 cents; English, 4¾ to 6 cents.

White Lead: The quotations governing white lead are as follows: Pure white lead, dry and in oil, lots of less than 500 pounds, 6 cents; 500 pounds or more, 5½ cents.

Zinc: There are no changes in quotations, prices being 3¾@4¼ cents for jobbing lots.

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My dear, dear Lord,
The purest treasure mortal times afford
Is spotless reputation---That away
And wheels may be painted iron or gilded clay;
An honest cycle that has stood the test,
Is the famous one with the Humber crest;
In quality is its fame; both grow in one;
Take quality from it and its fame is gone.

HUMBERS have been the favorite Bicycles of two generations of riders. They are still the - - STANDARD.

Humber & Co., America, Ltd.,
No. 318 Broadway,
New York.

Litharge: The quotations for litharge are the same as white and red lead.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot.....₩ ℔....	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting.....	10¼
Anchor Rolling.....	10½
Baltimore Rolling	10½
Orford	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl....17c. ₩ ℔	
Over 3½ to 5 " " .. 18c. ₩ ℔	
Square and Hexagon Rods, 1c. ₩ ℔ extra.	
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive...18c. ₩ ℔	
Over 3½ to 5 " " ...19c. ₩ ℔	
Antimony.	
Hallett's .....₩ ℔....	7¾
Cookson's.....	9¼
Lead.	
Foreign .....₩ ℔....	nominal.
Domestic.....	3¼@3¾
Spelter.	
Foreign..... ....₩ ℔....	4¼
Western, common	4
Zinc.	
Sheet, cas.k.....₩ ℔....	4¾@5
Tin.	
Straits, 10 ton lots, spots ₩ ℔	15
Straits, store lots.....	16
Tin-Plate.	
Coke Tins:	
I B grade Coke Tin.....	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC.....	5¼
Each X $1.50.....	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	4¼
Charcoal Ternes:	
Worcester, 14x20..... ...	4¼
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28.....	13.00
Dean, 14x20.....	4½
Do. 20x28	9.10
D. R. D. grade, 14x20.....	4¼
Do. 20x28.	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Higher prices, wages and money give cumulative evidence of growing activity and profit in manufactures, trade and commerce. Confidence, as a product of right attitudes and methods in law and finance, is rarely appreciated at its true value, and never was in as excessive production as silver and gold. Financiers without fear are now steadily pushing reconstructive work. Foreign capital is inclined to check its importunity and embrace its opportunity. Where enterprise leads, labor and capital will follow in the general revival of business. Straws.—35,524,890 pieces of mail were handled by the United States post-office in March, against 32,635,370 pieces a year previous. April will likely show larger gains. The production of gold is reported increasing steadily. Latest reports indicate that 1894 produced more gold than any previous year, and that 1895 may exceed it. Clearings Southern States show increase of double that shown by all cities outside of New York. The first six months under the McKinley tariff of 1890, United States custom receipts were $114,531,953, against receipts from the first six months under free trade of 1894 $79,687,458."

THE BALTIMORE TRADE.

Considering the long spell of rain which has existed during the past fortnight, business in this section has been remarkably good. The principal difficulty at the present time is occasioned by the delay of manufacturers in shipment of seasonable goods. In the Bicycle line this is most noticeable. Prices are on the jump! Each mail brings advices of advances, which have been long promised and are truly welcome. It has been our experience that a declining market always carries with it a corresponding reduction of purchases; and in the event prices retain this upward tendency until the fall, we can safely rely upon a very good business at that time.

In the agricultural and fruit growing sections, merchants are busily engaged in supplying local wants and voluntary orders of the "hurry type" are of daily occurrence.

Collections might be better; but there is every indication of an early improvement even in this department.

THE TABB & JENKINS HARDWARE CO.

THE PHILADELPHIA TRADE.

There is no doubt that trade has brightened and goods are in better demand, with evidence that dealers are stocking up more liberally and not pursuing to the same extent the hand-to-mouth policy which has been the only line of action for the last two or three years.

Manufacturers are generally reporting an increased demand, and some of them state they are rushed with orders, and there is already difficulty in getting some goods.

Prices are generally much firmer in tone and the market

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is advancing; all conditions seem to point to a betterment in prices.

The advance is legitimate. Commencing with increased cost in iron ore, and higher wages paid to the laborers, the same conditions seem to govern metal throughout its entire production.

Labor all over the country appears dissatisfied with the present low schedule of wages, and the papers are daily reporting strikes for higher wages; all this means higher prices, and while it is not anticipated that there will be any sudden or unhealthy rise, it seems to be the general opinion that there is to be a conservative and permanent improvement in prices.

The demand for spring goods continues unabated. Bicycles are simply at a premium. We heard of one jobbing house who recently offered a brother jobber $7.00 extra on every machine if they would turn over their stock to them. The offer of course was declined.

Factories are running their utmost capacity, and orders are being filled as far as possible, but the condition is far from satisfactory.

Wire Nails are firmer, and the market is in a most unsettled condition with prices tending upward, and it is likely that Cut Nails will share in the advance.

BIDDLE HARDWARE CO.

THE DAVENPORT TRADE.

Copious rains have fallen quite generally throughout the western and southern portions of Iowa, covering perhaps three-fourths of the area of the State. Davenport does not happen to be in the moistened portion, but we know full well that it will rain on the just, etc.

Lawn Mower business is rattling from early morn until into the night, when good men sleep, or, at least, when they should sleep.

Screen Wire is selling rapidly, but at a price that obscures any possible view of a profit to the jobber.

While there is an apparent coldness between the dealers in refrigerators, it is a chilly day when orders are not freely executed.

Ice cream has taken the place of hot oysters, and freezers are in demand.

From the amount of galvanized netting going out, we infer that the festive spring chickens' territorial rights are becoming rapidly circumscribed.

The wire nail fight alluded to in our last letter, is still on, and it is to be hoped that it will be fought to a finish and that a complete "knock out" will occur in the very near future. By the way, some of the wire nail manufacturers have advanced their prices.

Trade in general Hardware is good, especially so in builders' Hardware. There is more building being done at this moment than ever before at one time in the history of this city.

The new railroad bridge across the Mississippi is assured.

Work is about to commence upon the Davenport, Clinton & Eastern Railway, connecting us with Clinton by a direct line following the Iowa shore closely, giving the first railroad to the towns of LeClaire and Princeton.

Crops are looking well, and if blossoms count for anything, we will have fruit in abundance. Collections satisfactory.

SICKELS, PRESTON & NUTTING CO.

THE CLEVELAND TRADE.

The turn for which we have been waiting patiently for two years past seems to have arrived. We are able to report a very much better feeling and more active business than it has been possible to chronicle for some time. What the exact reason for it is we do not pretend to say, but are quite satisfied to have the conditions exist, without puzzling our brains to account for it. In our immediate section we are suffering for lack of rains, but the condition has temporary compensation in stimulating the demand for garden hose, lawn sprinklers and such articles.

Wire Nails: The manufacturers have finally tired of the extremely low prices that have been ruling, and an advance has been made which will probably be sustained, and if general conditions continue to improve as they promise, will undoubtedly be followed by further advances.

Barbed and Smooth Wire: The market for these articles continues unsettled. Consumption has not been as great as usual up to date, but we believe that it is only postponed, as the early spring months were not so favorable for its use as customary. Prices are extremely low, and no dealer can make a great mistake in providing for his wants.

Poultry Netting: Is moving in large quantities. The random quotations made by some houses early in the season were totally without good reason, and those houses which refused to sell below a legitimate price, find that their sales are fully equal to former seasons.

Refrigerators and Ice Cream Freezers: These goods are commencing to move in large quantities. The low price of ice will undoubtedly stimulate the demand. In this community ice is supplied at about one-half the price ruling in 1894.

Bicycles: It is impossible to supply bicycles as rapidly as orders are received. Dealers must make up their minds to be lenient with their jobbers, and jobbers must be equally lenient with manufacturers. Every indication points to an unprecedented sale for 1895, and the Hardware dealer who does not yet handle them as a part of his line is certainly not "keeping up with the procession."

All conditions seem to point to a new era of prosperity and normal business conditions. We hope that the improvement will continue in its present slow and sure manner, and that the fall of 1895 and spring of 1896 may be seasons that all Hardware dealers can look back upon with emotions of profound pleasure.

MCINTOSH-HUNTINGTON CO.

THE GRAPHITE TRADE.

We have no hesitation in awarding to the month of April all deserved honors, and have no complaints to make regarding the state of business. We have worked hard, and have been promptly rewarded as a consequence. The largest percentage in gain for the month was in Lubricating Graphite; next in order Crucibles, Lead Pencils, and so through the general line of Graphite productions.

The enormous demands for bicycles have created a lively interest in the Chain Lubricant, of which we are the leading manufacturers, which will in some measure account for the gain in that department, but the general business is strong and steady, or what Cowper calls

"A business with an income at its heels."

JOSEPH DIXON CRUCIBLE CO.

Humber & Co. have established a free reading-room for the use of their employees at Westboro, Mass. A fine, well-lighted room has been secured, and handsomely fitted up with tables, lounges, electric lights, lavatory, etc., and all the periodicals, together with the daily and cycling papers, will be kept on file. The policy of Humber & Co. toward their people is exceedingly liberal. Those who work in the great factory at Westboro are well paid, well housed, and well treated, and now that the reading room is established they will have a pleasant evening resort.

F. E. Kohler & Co., Canton, Ohio, announce under date of May 1st, that they have "purchased patent No. 507,484, dated October 24th, 1893, which is the first patent on lawn rakes showing a sheet metal U shaped head, and we hereby warn all parties against making, selling or using infringements."

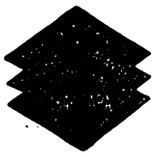
Sargent & Co., New York and New Haven, have, under date of May 1st, issued a revised list on Steel Squares, Steel Rules, etc.

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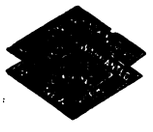


Garden or Lawn Hose.

TO KEEP the grass green, the lawn beautiful, the garden thrifty, to lay the dust and cool the air, your customers will soon call upon you for Lawn and Garden Hose. Have you a stock to supply early buyers? We can furnish you with hose that will not burst, will not leak, will not sweat, that will please your customers, keep them pleased, and increase your business. From the different brands enumerated below, we can meet your views as to price and quality.



"1846 Para."—A half century of good service stands behind this hose. It is recognized as the very best in the market, being made from the finest Para rubber and cotton duck woven specially for us. Hundreds of testimonials from the trade and public place its excellence beyond dispute.



"Double Diamond."—A strong, durable hose, warranted to give entire satisfaction. It is carefully constructed of excellent stock, and there is nothing better offered, 1846 Para excepted.



"Carbon."—This brand will render entirely satisfactory service. It is constructed in a superior manner, and gives greater value for the price than any offered by other makers.

"Double Diamond" Cotton Hose.—The fabric of this hose is circular woven, of a heavy and high grade of yarn, and is so pliable that it can be bent or twisted without injury. It is exceedingly strong, will withstand 500 lbs. pressure, and we can safely warrant it not to burst under the pressure of any system of water works. Every length is tested, and if hung up and allowed to dry after use, it will render good service for years.

"Spider" Cotton Hose.—This is of precisely the same weave as the Double Diamond, and while of lighter fabric, will withstand ordinary water pressure and render reasonable service.



"Spider."—Our cheapest quality; is several grades higher than the best competition hose in the market.

NEW YORK BELTING & PACKING CO. LTD

PIONEERS AND LEADERS.

NEW YORK CITY.

Goods are best. Prices are right.

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A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

N. & G. Taylor Co., tin-plate manufacturers, Philadelphia, announce that they have given up their old quarters in Water Street, New York city, and have moved to the Cable Building, No. 621 Broadway, where they have opened new and commodious offices with a corps of assistants, in charge of George Livingston, a gentleman who has long been identified with the building and kindred trades of New York and Brooklyn. The firm also announce that they have secured larger and better warehouse facilities for the quick filling of orders.

HARDWARE, of New York, has been enjoying the luxury of a birthday. The issue of April 10th is a large special number with a handsome double cover in honor of the Fifth Anniversary of its appearance. It contains 148 pages of which 100 pages are filled with advertisements. It contains an immense amount of information of value to the Hardware trade and incidentally to the users of builders' Hardware as well. This publication is not the oldest in the line it represents, but it is rapidly forging to the front and it bids fair to become the leader in that line.—*Western Builder*, St. Louis, Mo.

The Niles Tool Works, Hamilton, Ohio, have decided upon a very material and prosperous move. With the indications of a general resumption of business, based on their receipt of orders, they have found that their shop capacity is too small and they have therefore plans and specifications under way for the near coming erection of an addition to their great plant, 60x400 feet in dimensions, two stories in height and the entire structure is to be substantially of iron and steel.

Patterson, Gottfried & Hunter, Nos. 146 and 150 Centre Street, New York, are sending their friends some quaint designs in colors, and shaped in the forms of spades, hearts, diamonds, clubs, crescents, etc. Their various lines of goods are described upon the same.

Important Auction Notice

LAST CUTLERY SALE THIS SEASON.

E. BISSELL SON & CO.,

AUCTIONEERS.

Wednesday and Thursday, May 15th and 16th, at 10 A. M.

At No. 12 Murray Street and 15 Park Place, N. Y.

Large Special and Unreserved Trade Sale

—OF—

Table and Pocket Cutlery, Carvers, Plated Ware, Scissors, Shears, etc., etc.

The Sale will include several thousand dozen Table Knives and Forks, etc., etc. 1000 dozen Silver-Plated Tea and Table Spoons and Wm. Rogers' Medium Knives. 1000 dozen Pocket Knives, Scissors and Shears. 250 dozen Henry Seymour Cutlery Co.'s first-quality Shears and Barber Shears, discarded patterns. Also on

Thursday, May 16th,

"For Account of Whom It May Concern"

Unreserved Clearing Out Sale

Of 200 lots Fine American Cutlery, first quality, discarded patterns, comprising a large assortment of Fine Ivory, Pearl and Celluloid Medium and Dessert Knives; Celluloid, Ivory and Pearl Childs' Sets and Orange Sets, Stag, Pearl and Celluloid Carvers, etc., etc.

The entire line will be sold *without reserve*.

O. D. Woodruff, Pottstown, Pa., announces that he has arranged with the Colebrookdale Iron Co., of the same place, to manufacture his line of Connecticut Meat Choppers, and that C. M. Avery has been engaged as his sales agent. The New York office is with W. H. Jacobus, No. 90 Chambers Street.

Charles McDermott, a Hardware merchant doing business at No. 136 Centre Street, New York, died suddenly while on a cable car, from heart disease. He was fifty-eight years of age.

The Borough of Belle Vernon, Pa., has recently been supplied with a complete modern jail plant by E. T. Barnum, Detroit, Mich.

The receiver of the Franklin Brass & Bronze Co., New York, will continue the business, in the interest of the creditors.

Agency Wanted.

CALIFORNIA.—A responsible, experienced party about locating at Los Angelos, California, desires several agencies for first-class manufacturers and Hardware specialties. Address E. S C., HARDWARE, No. 143 Chambers Street, New York.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



Regulates supply of oil to a drop.

25c.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descripti e of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIP PLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.

PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn.

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First Annual Sportsmen's Exposition

(INCORPORATED.)

Madison Square Garden, New York City,

May 18th to May 18th, 1895.

Under the Auspices of the Sportsmen's Association. **CHARLES TATHAM, President.**

BOARD OF TRUSTEES: CHARLES TATHAM, J. VON LENGERKE, J. A. H. DRESSEL, CHARLES DALY, JACOB H. STUDER, P. J. SANFORD, FREDERIC S. WEBSTER, JOHN S. WISE, ARCHIBALD ROGERS.

A MAGNIFICENT display of every thing appertaining to sports, including mounted and living specimens of North American game animals, realistic cycloramic groups of camp life and hunting scenes, log cabins and hunters' camps, showing the life of the sportsman. Also valuable paintings, books, etc.

LIST OF EXHIBITORS.

1. E. I. Dupont de Nemours & Co.
2. Burgess Gun Co.
3. Scovill & Adams.
4. Sportsmen's Publishing Co.
5. The Tie Co.
6. Overman Wheel Co.
7. Overman Wheel Co.
8. Overman Wheel Co.
9. Overman Wheel Co.
10. Overman Wheel Co.
11. Overman Wheel Co.
12. Hazard Powder Co.
13. Spratt's Patent (American) Ltd.
14. Hardware Publishing Co.
15. The Webster Studio.
16. The Webster Studio.
17. Charles Scribner's Sons.
18. Studer's Natural Science Assn.
19. Sporting Goods Dealer.
20. Obrig Camera Co.
25. Recreation.
38. Brunswick-Balke Collender Co.
40. Overman Wheel Co.
41. U. S. Cartridge Co.
42. U. S. Cartridge Co.
43. U. S. Cartridge Co.
44. U. S. Cartridge Co.
45. U. S. Cartridge Co.
46. C. G. Gunther's Sons.
47. C. G. Gunther's Sons.
48. C. G. Gunther's Sons.
49. Outing Co., L't'd.
52. G. F. Heublien & Bro.
53. Gas Engine & Power Co.
54. Gas Engine & Power Co.
55. Le Roy Shot & Lead Works.
56. Cleveland Target Co.
Schoverling, Daly & Gales.
Savage Arms Co.
57. A. J. Reach Co.
58. Wright & Ditson.
Ideal Manufacturing Co.
59. Marlin Fire Arms Co.
60. Colt's Fire Arms Mfg. Co.
61. Hermann Boker & Co.
62. I. Johnson's Arms & Cycle Wks.
63. Wiebusch & Hilger, L't'd.
64. Hulbert Bros. & Co.
65. Hulbert Bros. & Co.
66. Hulbert Bros. & Co.
67. Hulbert Bros. & Co.
68. Hulbert Bros. & Co.
69. Tatham & Bros.
70. Iron Age.
71. W. Fred Quimby Co.
Empire Target Co.
72. Hunter Arms Co.
73. Forest & Stream Pub. Co.
74. Forest & Stream Pub. Co.
75. Winchester Repeating Arms Co.
77. Von Lengerke & Detmold.
78. American Field.
79. American Field.
80. H. Werlemann.
85. Maine Central R. R. Co.
86. Smith & Wesson.
88. Cornwall & Jesperson.
89. Union Metallic Cartridge Co.
90. Union Metallic Cartridge Co.
91. Union Metallic Cartridge Co.
92. Union Metallic Cartridge Co.
93. William Lyman.
Lefever Arms Co.
96. Natchaug Silk Co.
97. Meriden Britannia Co.
101. Cushman & Denison.
102. Thomas W. Fraine.
103. E. & H. T. Anthony & Co.
104. E. & H. T. Anthony & Co.
105. Parker Brothers.
106. Am'c'n Smokeless Powder Co.
107. Shooting & Fishing Pub. Co.
108. Bridgeport Gun Implement Co.
109. Bridgeport Gun Implement Co.
110. Bridgeport Gun Implement Co.
111. Remington Arms Co.
112. Remington Arms Co.
113. Remington Arms Co.
114. A. G. Spalding & Bros.
115. A. G. Spalding & Bros.
116. A. G. Spalding & Bros.
117. George Barnard & Co.
118. Peck & Snyder.
119. Lamb Manufacturing Co.
120. St. Lawrence Boat Co.
121. W. W. Hart & Co.
122. W. W. Hart & Co.

For information regarding special railroad rates, and rental of spaces, address

FREDERIC S. WEBSTER, Secretary,
106 East 23d Street.

FRANK W. SANGER, Manager,
Madison Square Garden.

SPECIAL NOTICE.—The management requests secretaries of Gunning, Shooting, Fishing, Yachting, Rowing, Curling, Golf, Tennis, Archery, and all out-door clubs to send their list of officers and number of members to Frank W. Sanger, Manager, Madison Square Garden.

Our Factory is a Busy Place

Turning out the Best of

Lawn Mowers that are made in the world---of this there is no doubt. Any user of them will bear us out in this statement.

HONEST

In construction and material.

Not HOW CHEAP

But HOW GOOD.

Leaders the world over are the

Pennsylvania.
Continental.
Quaker City.
Great American.
Rapid Transit.
New Departure.

WRITE FOR PRICES NOW.

MANUFACTURERS,

SUPPLEE HARDWARE CO.,

PHILADELPHIA.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Albia, Iowa.—C. S. Barger.
Atlanta, Ga.—Mark, Hightower & Co.
Bay City, Mich.—Martin & Cheever.
Beaver Falls, Pa.—Knowlton & Empey.
Cleveland, Tenn.—John G. Lea.
Gallatin, Tenn.—Bright Bros.
Holly Springs, Miss.—Wall & Jones.
Middletown, Pa.—Hoff & Raymond.
Mineola, L. I.—John W. Davis & Co.
Norfolk, Va.—J. L. & S. W. James.
Nyack, N. Y.—Wm. H. Baldwin.
Roaring Spring, Pa.—Adams & Snyder.
Rumford Falls, Me.—Lander & Bisbee.
Sylvia, Tenn.—Mathis & Walker.
Utica, N. Y.—L. H. Hildebrandt.
Wooster, Ohio.—Rich & Blough.

Record of Changes.

Ann Arbor, Mich.—Schuh & Muehlig, Hardware merchants, have dissolved partnership.

Athol, Mass.—Henri C. Fay has purchased the stock and good will of L. C. Parmenter & Co.'s Hardware business.

Atlanta, N. Y. — Christian Moose has bought the Hardware store of C. A. Avey and will continue the business at the same place.

Blairstown, Pa. — George Christian has sold his Hardware and tin stock to Lewis Hess.

Carthage, Mo. — Aaron Myers has purchased John D. McCrillis' Hardware stock.

Clare, Iowa.—M. J. Lahiff has purchased the old Hardware store from J. T. Hood.

Des Moines, Iowa.—W. H. Duke & Co. have sold their Hardware store to J. T. Busselle and the new firm have taken possession. W. W. Busselle will have the management of the business.

Dickson, Tenn. — Anderson & Petty, Hardware, have dissolved partnership, W. T. Anderson continuing the business.

Dillsburg, Pa. — The Hardware firm of Bentz, Son & Co. has been dissolved by mutual consent. The new firm will be composed of C. L. Bentz and L. U. Bailey.

Dundee, N. Y.—T. D. Beekman has taken James Clary in partnership in his Hardware business.

Gilboa, N. Y.— Wade Bros. have purchased the Hardware stock of A. M. Allen.

Gratz, Pa.—J. F. Hoffman has sold out his tin and Hardware stock to Chas. Schmeltz.

Greenfield, Mass.—The firm of Slate & DeWolf, Hardware dealers, has been dissolved by mutual consent. Mr. Slate and his son, Francis E. Slate, have associated themselves together under the name of Charles E. Slate & Son and will continue the business.

Hamilton, N Y.—E. B. Gaskill has disposed of his stock of Hardware to Charles Gulbran, and will retire from business.

Joliet, Ill. — The Hardware firm of C. Pragst & Co. have sold their building and stock to Messrs. E. C. Lehman and Gustave Lehman.

Lone Tree, Iowa. — George Siverly has bought out the Lone Tree Hardware store and taken possession.

Luke Centre, Pa.—W. S. Lincoln has sold his interest in the Hardware store to C. A. Dibble.

Malta, Ohio.—The Burckholter Hardware Co. have sold their entire stock of Hardware to C. E. Smith & Co.

Merrickville, Ont.—Wm. Miskelly, Hardware merchant, has taken his son into partnership, and the firm now is W. Miskelly & Son.

Middletown, Cal.—E. S. Fowler, Hardware, reported succeeded by F. W. Henderson.

Newlin, Tex.—Jackson Collier, Hardware, reported sold out.

Norwich, N. Y.—The Hardware firm of Latham & Higley have dissolved partnership and hereafter the business will be conducted by Charles H. Latham.

Norwood, Ont.— The firm of Fraser & Foster have been dissolved, and the Hardware business is now entirely in the hands of D. A. Fraser.

Norwalk, Ohio.—Geo. E. Butt has purchased the interest of E. O. Friend in the Hardware firm of Friend & Butt.

Patterson, N. Y.—Tucker & Kent have sold their Hardware stock to E. Crouse & Son.

Poland, N. Y.—The firm of Lankton & Seavey, Hardware merchants, has dissolved.

San Saba, Tex.—T. M. Gray, Hardware, and J. M. Wilhite, grocer, have formed a partnership in business under the name of Gray & Wilhite.

Syracuse, N. Y. — Everson & Co., who have been in the Hardware business in Syracuse for a long term of years, are going out of business, vacating their double stores in Clinton Street. The stock has been taken by the Burhans & Black Co., of North Salina Street.

Improvements and Removals

Arkadelphia, Ark.—Hanson & Thompson, Hardware, have dissolved partnership. The business will be continued by M. E. Hanson.

Asheville, N. C. — Rich Hardware Co., building recently destroyed by fire will be rebuilt.

Atlanta, Tex.—J. D. Johnson & Brother, Hardware, stock purchased by J. D. Johnson.

Bethel, Me. — Hastings Bros. have enlarged their Hardware store.

Clarksville, Ark.—C. C. May, Hardware, has moved to Wagoner, I. Ter.

Detroit, Mich.—The Hodgson & Howard Co., Hardware dealers, have remodelled their store.

German Valley, N. J.—Matthias T. Welsh is building an addition to his Hardware store.

Greenwood, Mo.—R. N. Guyn, Hardware merchant, has built an addition to his storeroom.

Hills, Minn.—Larsen & Nuffer are building a Hardware store.

Hydetown, Pa.—J. Grider has enlarged his Hardware store.

Jersey City, N. J.— Wood & Menagh, Hardware dealers, have purchased the building at No. 341 Grove Street and will erect on the site a five-story building, which they will connect with their Newark Avenue store.

Kalo, Iowa.—T. B. Apland is building an addition to his Hardware store.

Mystic, Iowa.—A. C. Bixby, Hardware, reported as having moved to Foster.

Newmarket, N. H.—John H. Griffin has the foundation laid for an addition to his Hardware store.

North Centreville, R. I.—Milton H. Arnold is building an addition to his Hardware store.

Oregon City, Ore.—Wilson & Cooke have moved their stock of Hardware one door south of the Commercial Bank.

South Riverside, Cal.—Thomas Glass & Sons are building a Hardware store.

Washington, D. C.—W. A. Pate, Hardware, will remove to larger quarters at No. 303 Tenth Street, N. W.

Business Embarrassments.

Cincinnati, Ohio.—W. P. Jones Hardware Co. have assigned. The liabilities and assets are $5000 each.

Orlando, Fla.—O. F. Winkleman & Co., Hardware dealers, have made an assignment.

Burglaries in Hardware Stores.

Bellefontaine, Ohio.—Weigman & Doan. $25.
Canton, Ohio.—C. C. Snyder, $50.
Cholette, Iowa.—K. C. Gohlman, $500.
Corydon, Ind.—Bulleit & Hurst, cutlery.
De Soto, Mo.— Cunningham & Hamel, cutlery.
East St. Louis, Ill.—Charles Mauer, $150.
Elgin, Ill.—Hawthorne Bros., $175.
Glens Falls, N. Y.—H. Thomas & Son, revolvers.
Hammondsport, N. Y.—Masson & Freikell, revolvers.
Kingston, Mo.—H. Roloff, $100.
La Grange, Ind.—L. D. Hughes, cutlery.
Marlborough, N. Y.—E. F. Berean & Co., $100.
Sedalia, Mo.—Ewert & Hahn, $100.
Terre Haute, Ind.—W. D. Morris & Co., revolvers.
Vermillion, S. D.—Salmer & Iverson, revolvers.
Washington, Pa.—Link Bros., revolvers.

Fires in Hardware Stores.

Altoona, Pa. — J. P. Dagenhart, Hardware, destroyed by fire.

Anita, Iowa.—King Hardware Co., Hardware, etc., reported fire loss of $11,000, partly insured.

Hays City, Kan.—E. R. Cole, Hardware, reported damaged by fire to the extent of $500.

Plattsburg, Mo.—The Hardware store of Davis & Co. has been destroyed by fire. Loss, $15,000; covered by insurance.

Smithville, Mo.—J. W. Lincoln, Hardware, reported damaged by fire.

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MR. BUSINESS MAN,

You may be thinking of a bicycle; you may want some out door exercise. If

YOU'RE THE FELLOW

who has worked yourself almost to death in an office, and live too far from home to enjoy walking,

WE ARE LAYING FOR

you. We can suggest a remedy that will be valuable to you Buy a New Clipper Business bicycle. It fills the bill.

Makers of



Business Bicycles

Grand Rapids Cycle Co.

Mich.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.

INDISPENSABLE TO WHEELMEN.

Prices: for No. 1¼, 75 cts.; No. 1, $1; No. 48, $1.25; No. 4d, $1.50, etc.

Send for Catalogue.

C. H. LAMSON, Portland, Me.

Any size or style. Send for Catalogue.

Special Discount to the Hardware Trade.

BOSTON GEAR WORKS

42 Hartford Street,

(FRANK BURGESS, PROPRIETOR.) Boston, Mass.

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

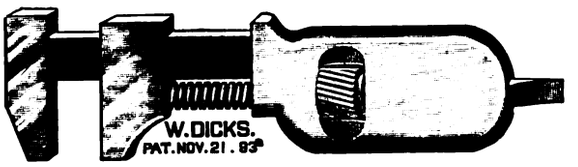
THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.

Housekeepers like this tool

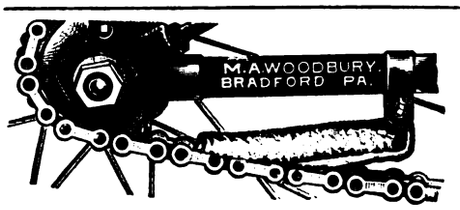
Cycle riders want it.

It is SO handy



—We are Making Special Price to Hardware Dealers.—

Spaulding Machine Screw Co. Buffalo, N. Y.



WOODBURY'S

Automatic Dry Chain Lubricator and Duster for Bicycles

—HAS NO EQUAL.—

Weight, ½ oz. Price, 25 cents.

COPPER RIVETS & BURS.

PRICES NO HIGHER. PROMPT SHIPMENTS.

CLENDENIN BROS., - - BALTIMORE, MD.

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 Pounds



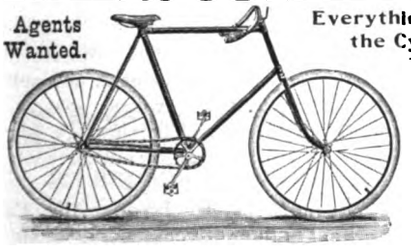
CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs, 225 G St., Peoria, Ill.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are **$75.00 $60.00 $50.00 $40.00**

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.

Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Bay City, Mich. — Martin & Cheever, Hardware, new store opened. Will add bicycles.

Elyria, Ohio.—Elyria Hardware Co. have incorporated, with a capital stock of $15,000. Will take up bicycles.

Gallatin, Tenn.—Bright Bros., Hardware, bicycles, etc., new firm commenced business.

Jacksonville, Ill.—The Jacksonville Cycle Co., Charles Scurlock, manager, opened a bicycle repair department May 1st. They will carry a full line of bicycle sundries and parts.

Jamestown, N. Y. — The Combination Cycle Co., incorporated by D. H. Dorsett, of Jamestown; Russell J. Stright, of Bradford, Pa.; William H. Bently, of New York City, to deal in cycles of all kinds. Capital stock, $150,000.

Louisville, Ky.—John A. Stistzel, bicycles, commenced the sale of wheels on commission. A repair business is done, which department has recently been considerably enlarged. He has also added a line of bicycle accessories.

Newburgh, N. Y.—Sargent & Scharbauer, Hardware, etc., will add a department of bicycles and bicycle supplies. The members of this firm are from Albany, Mr. Sargent having been for a number of years connected with the Albany Hardware & Iron Co. The other member of the firm, Mr. Scharbauer, is reported to have large business interests in the vicinity of Albany. This firm succeed to the old established business of Van Duzer, Dickey & Co.

New Berne, N. C.—The Slover Hardware Co. have opened a bicycle department and are handling the Rambler.

New York, N. Y.—Anglo-American Cycle Fitting Co., incorporated by George A. Driggs, Theodore E. Smith, Joseph Friedenstein, William B. Smith and Charles N. Judson, to manufacture and sell the various parts of cycles. Capital stock, $50,000.

New York, N. Y.—H. Hardy, No. 25 West Houston Street, is reported organizing a company, to have a capital stock of $100,000, to manufacture an improved bicycle, which is intended to do away with the rigidity of the present wheel. The new wheel will not weigh more than 24 to 25 pounds.

New York, N. Y.—R. H. Wolff & Co., manufacturers of bicycles, 118th Street and East River, have opened salesroom and offices at No. 33 Barclay Street, near Church, with J. W. Murphy in charge.

New York, N. Y.—Pierce-Thompson Cycle Co., No. 107 Chambers Street, New York, will add a bicycle riding school. They have leased the entire top floor in the building their store is in. This floor runs through from Chambers Street to Reade Street, and a full line of George N. Pierce & Co.'s bicycles are on exhibition.

New York, N. Y.—The National Mercantile Co., incorporated by Stephen W. Collins, Thomas F. Kennedy, Walter E. Preble and Charles Collins, to manufacture bicycles, etc. Capital stock, $30,000.

Nunda, N. Y.—Fletcher C. Peck is reported to be interested in the organization of a company, with a capital stock of $20,000, to establish a bicycle factory.

Nyack, N. Y. — Edgar E. Blauvelt, bicycles, will open new bicycle repairing store on Broadway.

Changes and Removals.

Council Grove, Kan. — P. H. Hankins, Hardware, bicycles, etc., reported sold out to M. M. Douglass.

Elkhorn, Wis. — Russell Bros., bicycles, succeeded by Russell Bros. & Curtis. They report trade good.

Marion, Ark.—Lewis & Newman, Hardware, bicycles, etc., dissolution of copartnership reported, C. L. Lewis continuing the business.

Marion, Ind.—Allen & Halliday, bicycles, new firm succeeding C. O. Allen, Jr.

New York, N. Y.—New York Tire Co., No. 23 Warren Street, will move into larger quarters at Nos. 59 and 61 Reade Street, near Broadway. They are placing on the market a new seamless single tube tire, weighing 2¼ pounds to the pair. This company is now the Eastern agent for the Plymouth Interlock Joint Wood Rims for bicycles, manufactured at Plymouth, Ind.

New York, N. Y.—The Anglo-American Cycle Fittings Co., at No. 213 Pearl Street, will remove to larger quarters, Nos. 105-107 Chambers Street, in the Carey Building. They are importers and exporters, and manufacturers of safety bicycle chain and cycling accessories.

Owosso, Mich. — Francis M. Wheeler, Hardware, bicycles, etc., reported sold out to F. C. Achard.

Philadelphia, Pa.—Curtis-Child Mfg. Co., manufacturers of bicycle saddles, reported sold out to W. W. Shoe, No. 428 Walnut Street, who will continue the business under the former name.

Waukesha, Wis.—Lau & Ferguson, Hardware, bicycles, etc., reported sold out to S. J. Seabury, who will continue the business.

New Goods and Improvements.

Boston, Mass.—H. Campbell & Co., No. 49 Union Street, are putting on the market a new cement for mending bicycle tires.

Buffalo, N. Y.—J. S. Elsenhaus, manufacturers of bicycles, contemplates increasing capacity and moving into larger quarters.

New York, N. Y.—Anglo-American Cycle Fittings Co., No. 213 Pearl Street, are placing on the market an improved anti-thief bicycle lock, manufactured by W. W. Hart & Co., for whom the company are sales agents.

Pottstown, Pa.—The Pottstown Cycle Co. will erect a three-story factory building, corner of Union and Queen Streets.

Correspondence Solicited.

Arkadelphia, Ark. — Graves Hardware Co. contemplate opening a bicycle department, and invite propositions from manufacturers of wheels and sundries.

Basic City, Va.—Ashaver & Son, general store, will take up bicycles if agency inducements are offered. Propositions invited from manufacturers of bicycles and bicycle sundries.

Burlington, N. C.—J. W. & W. W. Lasley, general merchandise, solicit propositions from manufacturers of bicycles.

Dyersburg, Tenn.—Walker Bros. & Co., vehicles and implements, preparing to take up bicycles. Correspondence invited with manufacturers of bicycles and bicycle sundries.

Gainesville, Fla.—E. Baird & Co., wholesale and retail Hardware, preparing to add bicycling department. Correspondence with manufacturers of bicycles and bicycle sundries solicited.

Gibtown, Tex.—D. M. Wilson, of Vineyard, Tex., new Hardware store opened. Will take up bicycles. Correspondence invited with manufacturers of wheels and sundries.

Lincolnton, N. C.— Ramsaur & Burton, Hardware and leather goods, will take up bicycles if satisfactory inducements are offered.

Longport, N. J.—Coty Hardware Co., incorporated to continue the business of Julius Coty and Richard R. Albertson. Correspondence with bicycle manufacturers invited.

Mount Airy, N. Y. — Davis & Newton, general merchandise, will take up bicycles. Correspondence with manufacturers for wheels and sundries solicited.

Rockingham, N. C.—John W. Covington, general merchandise, contemplates adding bicycles to his business, and to that end invites correspondence with manufacturers of wheels and sundries.

Recent Fires.

Rochester, N. Y.—Rochester Cycle Co., at Nos. 73-75 South Saint Paul Street, fire loss to factory of $7000; $4000 being upon the building, covered by insurance, and $3000 upon the stock. Manufacturing will be resumed as soon as losses can be adjusted. The company state that there will be no delay in deliveries.

Miscellaneous.

Cleveland, Ohio.—The Hoffmann Bicycle Co. report adoption of triangular tubing for reinforcing the frames of the Hoffman bicycle. An application has been made for a patent on the device.

Freeport, Ill.—The Stover Bicycle Mfg. Co. report satisfactory business, now selling double the number of wheels sold at the same time last year. Their factory is running night and day, turning out forty wheels daily.

Paterson, N. J.—The Bredder Allen Cycle Mfg. Co. contemplate extending business, and are making efforts to secure additional capital for that purpose. The company report more orders than it can handle.

Philadelphia, Pa. — Garden & Brewster, bicycles, report business good, having sold more wheels within a ten days' period recently than ever sold before in that length of time.

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Waverley Bicycles.

Are warranted superior to any other Bicycle built in the World, regardless of price.
High Frame, Wood Rim, Detachable Tire, Scorcher, weight, 22 lbs., $85. Ladies' Drop Frame, same weights and Tires, $75.

A GOOD AGENT WANTED in every Town. A splendid business awaits the right man. Get our Hardware Dealers Catalogue. Free by mail.

INDIANA BICYCLE COMPANY, - Indianapolis, Ind.

CYCLOMETERS.

AMERICAN INDICATOR CO.,
LAWRENCE, MASS.

No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.
Descriptive circulars on request.



Eclipse Special.

WESTERN AGENTS:
SIMMONS HDW. CO.
ST. LOUIS, MO.

Hardware Dealers

Just Ask Us For
Catalogue and Quotations.

WE WILL DO THE REST.

ECLIPSE CYCLES "They Stand the Test."

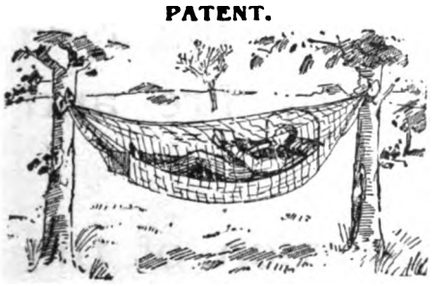
ECLIPSE BICYCLE CO.,

Indianapolis, Ind. — BEAVER FALLS, PA. — Hamilton, Canada.

THE BEST SELLING HAMMOCK OF THE SEASON IS

The Oriental Hammock Co.'s

PATENT.



ITS SPECIAL FEATURE IS A

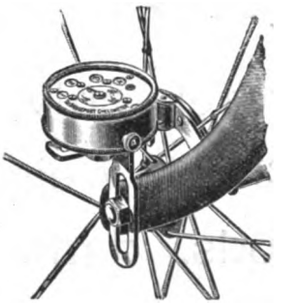
Fly Protector,

which is as simple as it is effective. No stock of Hammocks is complete without it. Send for complete Illustrated Catalogue of Hammocks, Base Ball Goods and Spring Novelties.

THE STROBEL & WILKEN CO.,
501 BROADWAY, NEW YORK.

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.
THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.



"JUST THINK OF IT!"

15,000 BRIDGEPORT CYCLOMETERS
SOLD DURING 1894.

The "BRIDGEPORT" is the only Cyclometer which has given universal satisfaction and is

WORTH ITS WEIGHT IN GOLD.

Made in three styles, Models "A," "B," and "C,"
For 26, 28 and 30 inch wheels. Sold by all dealers at low prices.

MODEL "A" registers 1000 miles accurately and repeats. MODEL "B" registers 1000 miles accurately, repeats and rings a bell at every mile. MODEL "C" registers 10,000 miles accurately and repeats.

"FULLY GUARANTEED."

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313½ B'way, New York.

SHOOT BLUE ROCKS.

You cannot do so unless you have a good trap and Electric pull. ∴ ∴ ∴

Our export trap and electric pull fills the bill. For sale by all Jobbers



The Cleveland Target Co.
CLEVELAND, OHIO.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



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FIRE SALE.

Hulbert Bros. & Co. will place on sale at their new storage warehouse, No. 532 to 540 West 22d Street, on the morning of May 20th, the goods damaged in the burning of their warehouse in West 21st Street, goods consisting as follows:

30,000 REVOLVERS,

3,000 RIFLES,

5,000 SHOT GUNS,

These are damaged by water, only.

A large number of Chest Weights, Rowing Machines and Athletic goods, damaged by fire and water.

The damage, to a very large proportion of the goods, is very slight, and the sale will afford bargains in fire arms never before given to the trade.

Schedules of these goods, with prices attached, for the trade only, can be had on application, and all orders will be filled consecutively.

Address

HULBERT BROS. & CO.,

26 W. 23d Street, New York.

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ESTABLISHED 1867

Partrick & Carter Co.

Electrical Supplies.

125 South 2d St. Philadelphia

Catalogues on Application

Send business card and mention "Hardware."



House Goods: Electric Light Supplies: Telephones.

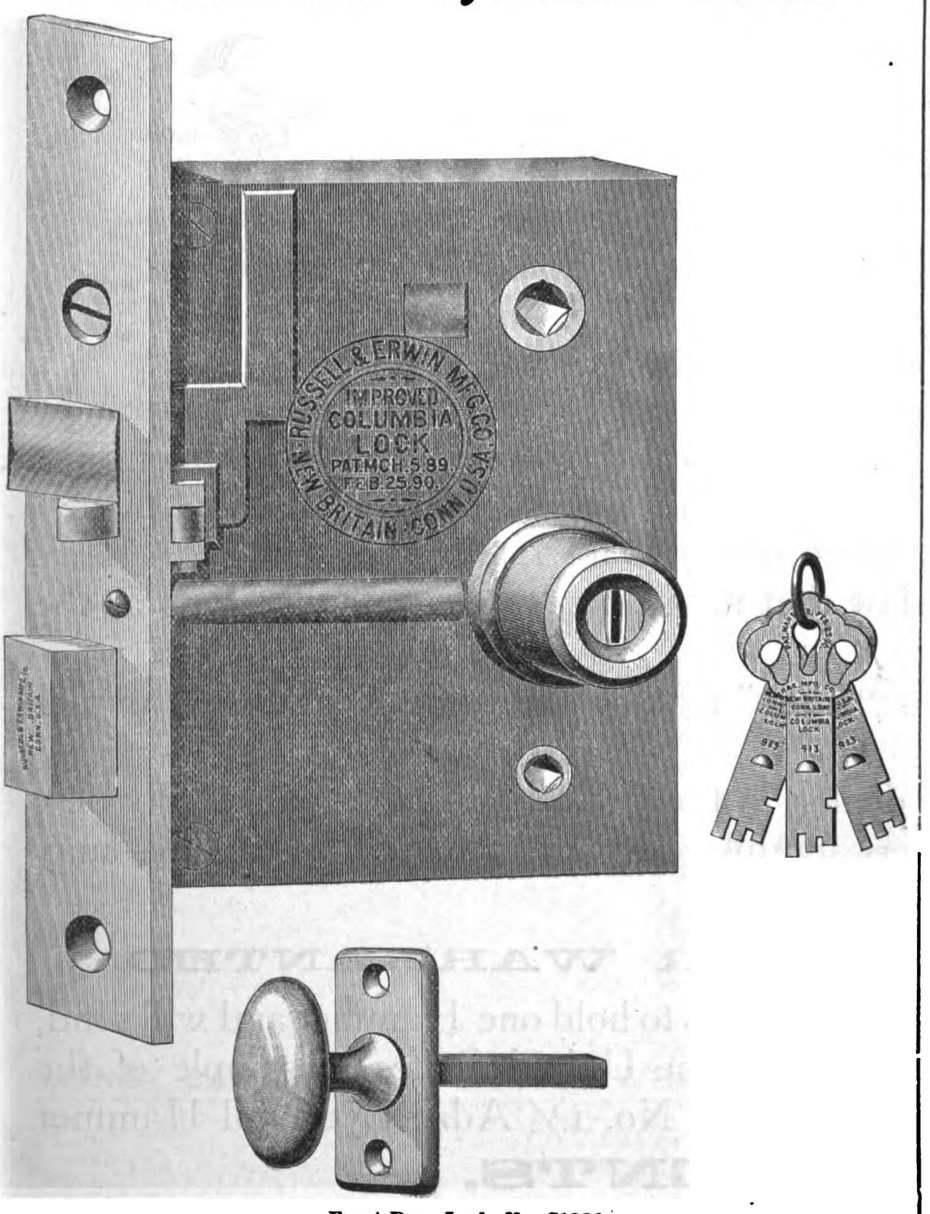
TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

Manufacturers of the

Columbia Cylinder Lock.

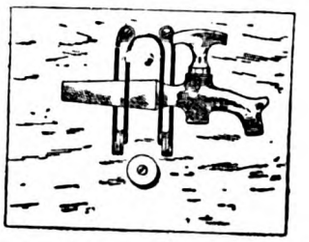


Front Door Lock, No. C1230.

The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

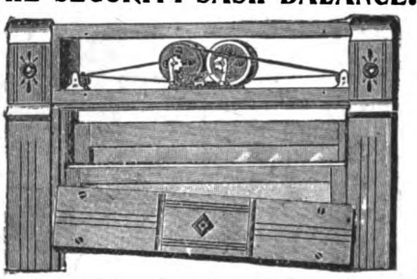
Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them. Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON,
Monroe City, Mo.

THE SECURITY SASH BALANCE.



The most simple, durable and efficient balance made. Weight of sash not essential when ordering balances. Specified by Architects, and recommended by Builders. For sale by the Hardware Trade generally. Manufactured by the

Richmond Safety Gate Co., Richmond, Ind.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

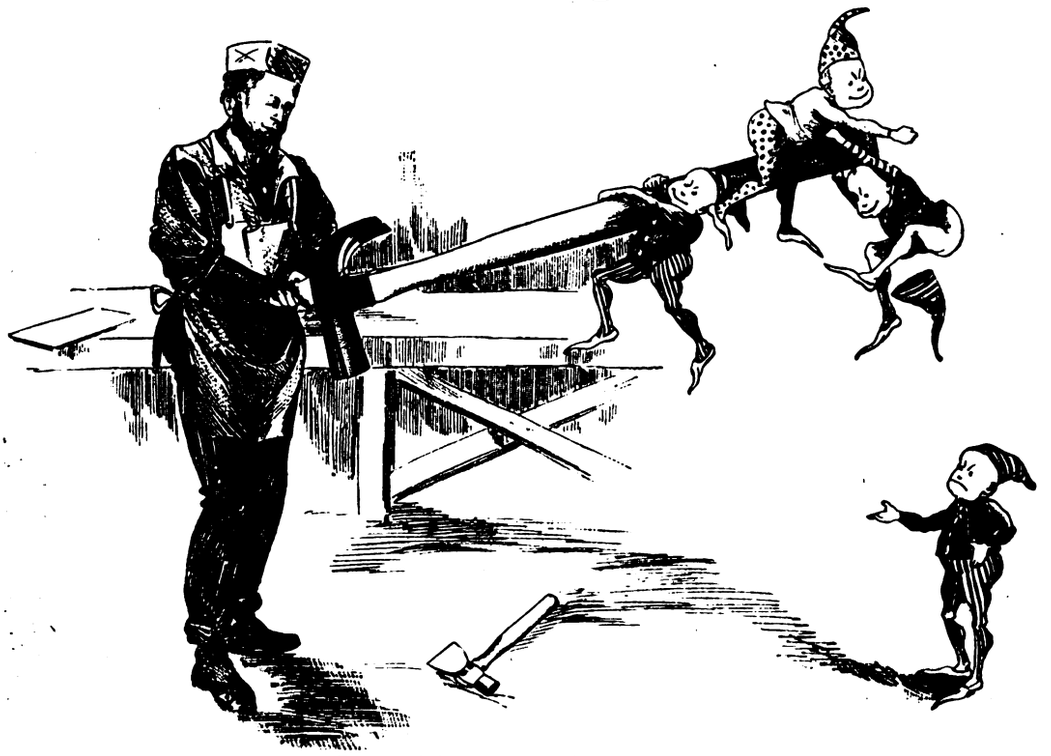
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I Challenge the World

To Produce a More Perfect

Adze Eye Nail Hammer

Than I am now sending out to the Trade.



Hurry up, Boys, I have a splinter in my hand too!

I have recently introduced in my Forge Department, improved facilities for turning out Adze Eye Nail Hammers; every Hammer must come perfect in shape and as near uniform as Forging can make them.

Considering the increased use of Wire Nails and Brads, I have so tapered the slot in the claw that it will draw the smallest as well as the larger nails.

The Eye must come "True" making the "Hang" of the Hammer feel right in the hand.

I should like every dealer in the Country to have one of my new Adze Eye Nail Hammers for his showcase, that the Mechanics may see it and pass upon it.

EVERY HAMMER WARRANTED.

I have made some special Boxes to hold one Hammer and will send, prepaid, to a Dealer in any part of the United States, a sample of the New and improved, ANCHOR BRAND, No. 1½ Adze Eye Nail Hammer on receipt of **50 CENTS.**

FAYETTE R. PLUMB, Manufacturer,

PHILADELPHIA, PA.

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HAVE YOU SECURED YOUR AGENCY FOR 1895?

IF YOU INTEND SELLING A HIGH GRADE WHEEL

The Monarch

DON'T TAKE AN AGENCY FOR AN UNKNOWN BICYCLE.

In every State from Maine to California
IS THE SYNONYM FOR EXCELLENCE
And is acknowledged by all to be
The Most Perfect Wheel in the World.

MADE IN FIVE PERFECT MODELS.

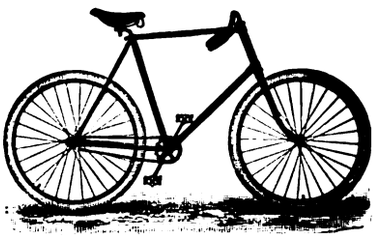
WEIGHTS, 18 to 25 POUNDS. PRICES, $85 and $100.

IF YOU WILL ONLY EXAMINE "THE MONARCH"
YOU WILL TAKE THE AGENCY FOR NO OTHER WHEEL.

EASTERN BRANCH: 99 Reade St., N. Y. MONARCH CYCLE CO., C F. GUYON CO., Ltd. Managers.

CRESCENT BICYCLES

HIGHEST GRADE — LOWEST PRICES



Crescent No. 1, $75.

$75 NO. 1 (FOR MEN). 28 in. Wheels, 23 lbs.
NO. 4 (FOR LADIES). 26 in. Wheels, 22 lbs.

The most salable line of wheels on the market. All sizes, all prices.

$50 NO. 2 (FOR YOUTHS). 26 in Wheels, 21½ lbs
NO. 5 (FOR MISSES.) 26 in. Wheels, 24 lbs.

MONEY CANNOT BUY BETTER WHEELS.

$40 NO. 3 (FOR BOYS). 24 in. Wheels, 21 lbs
NO. 6 (FOR GIRLS). 24 in. Wheels, 22 lbs.

Reliable Agents wanted where we are not now represented. Catalogue Free.

Factory, Chicago, Ill. WESTERN WHEEL WORKS, Eastern Branch, 35 Barclay St., N. Y.

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Shrewd Hardware Dealers . . . .

KNOW THE VALUE OF FINE STEEL OVER INFERIOR GRADES. . . . .

THE FRAMES OF

HELICAL TUBE PREMIERS

Are made of finer steel than can be used in any other bicycle, resulting in lighter wheels combined with greater strength. We are placing agencies with responsible parties only, and if there is no "Premier" agency in your town it will pay you to write us for catalogues and terms.

PREMIER CYCLE MANUFACTURING CO.,

34, 36 & 38 Watts Street, New York



When selecting a bicycle to represent during the coming season, consider ultimate results.

The "DORSETT" is here to stay. It represents every feature of the best wheels on the market with added points of novelty and merit that are bound to make it a "seller."

Interchangeable methods of cycle propulsion presented in the simplest and most efficient mechanical constructions, and perfectly independent of one another.

With the principles exhibited in a practical manner, and construction "special" in every part, the "DORSETT" represents the highest perfection in the art of bicycle making.

Send for catalogue which tells you all about details.

CYCLONE COMBINATION CYCLE CO., 309 BROADWAY, N. Y.

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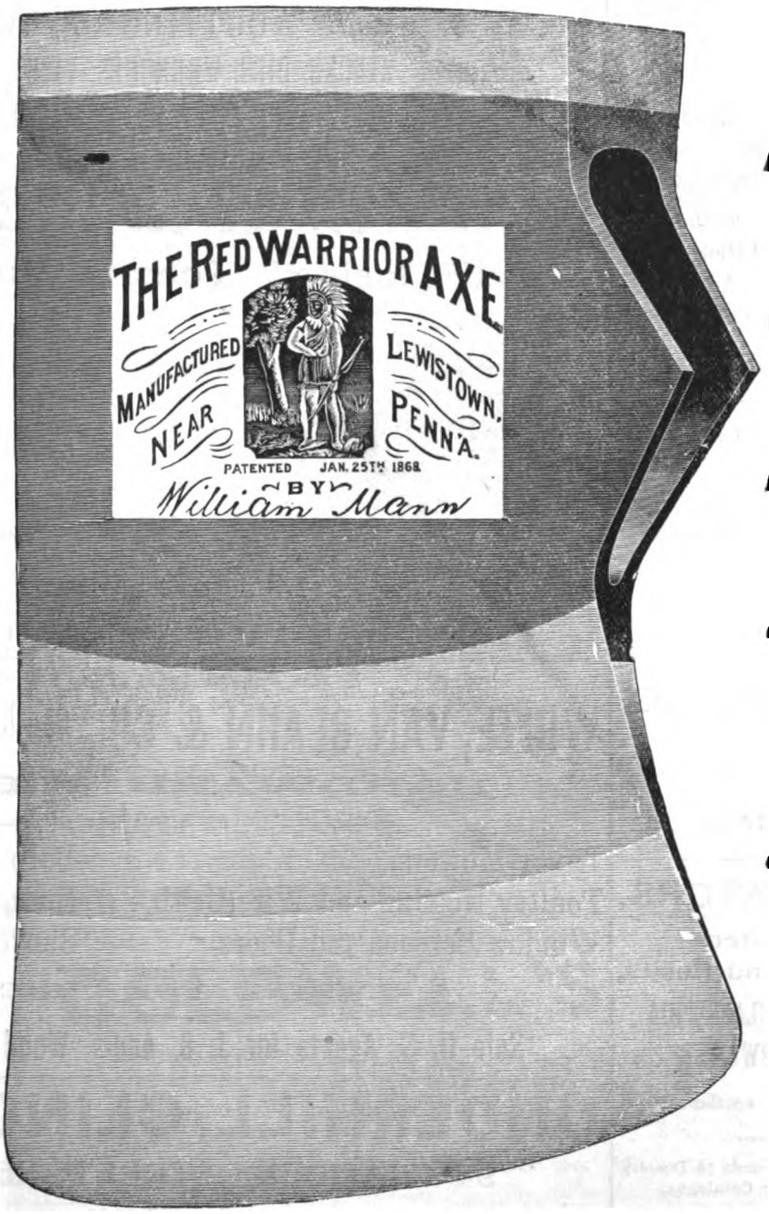
THE AMERICAN AXE AND TOOL CO.,

- - Telephone Number, 1023 Cortlandt. - -

253 BROADWAY, - NEW YORK.

MANUFACTURERS OF

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LIPPINCOTT,
REDWARRIOR,
MANN,
HURD,
PEERLESS,
JAMESTOWN,
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FRANCIS,
SHARPS,
UNDERHILL,
STEWART,



Brands of

AXES,
HATCHETS,
BROAD AXES,
and
ADZES,
also
"BLOOD'S"
CHAMPION
and
"HUBBARD'S"
DIAMOND
BLADE
SCYTHES.

Beware of Imitations!

The name **WILLIAM MANN** appears on all genuine Red Warrior Axes.

Grass Hooks, Corn Knives, Bush Hooks, Ice Picks, Ice Axes, Ice Hatchets and Firemens' Axes, Wood Chisels, Picks, Mattocks, Brick Hammers, Box Openers, Ice Chisels, Butchers' Handled Axes, Meat Hatchets.

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Best Leading Brands of Axes and Edge Tools. Cheap Handled Axes. Medium Grade Axes. Boys' and Hunters' Axes.

JOB LOTS of AXES, ALL GRADES and PATTERNS.

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MAKERS OF
Hair Clippers
ALL KINDS UNDER THE
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Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

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Pat., Oct. 26, 1894.

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THE PHILADELPHIA DUMBWAITER
Is the BEST on the market.

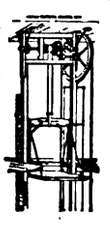
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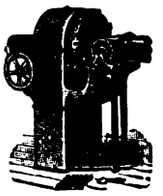
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FIXTURES.

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Our Catalogue will interest you.
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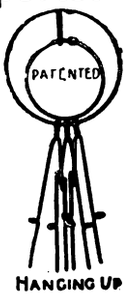
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Prevent the tomato from rotting.
Allow it to ripen evenly.
Add to the appearance of the garden.

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HARDWARE JOBBERS,
Carry a full line of
Lawn Mowers,
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Hoes, Rakes, Forks, &c.
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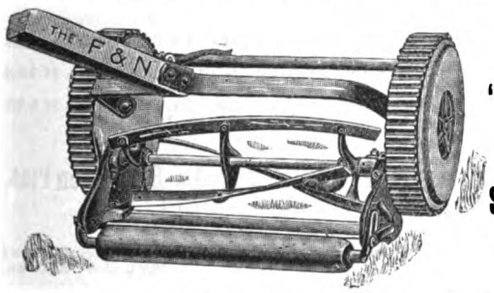
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"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
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Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.
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—Manufacturers of—



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"THE F. & N. LAWN MOWER,'95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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LAWN SPRINKLERS.
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ASK FOR THEIR

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Before you see

BLAIR MFG. CO.'S

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List Now Ready. Send for it.

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A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

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SEND FOR OUR CIRCULAR ON
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COLDWELL'S IMPERIAL.

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NEWBURGH, N. Y.

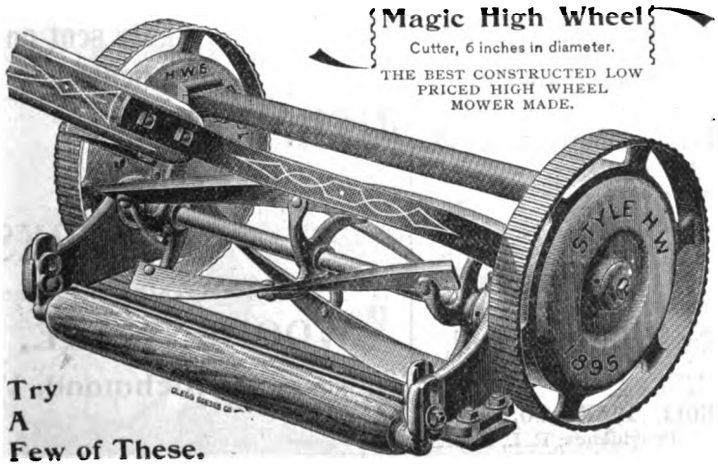
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Magic High Wheel

Cutter, 6 inches in diameter.

THE BEST CONSTRUCTED LOW PRICED HIGH WHEEL MOWER MADE.



Try A Few of These.

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OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
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Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

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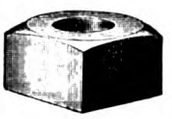
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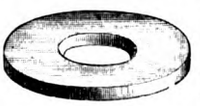
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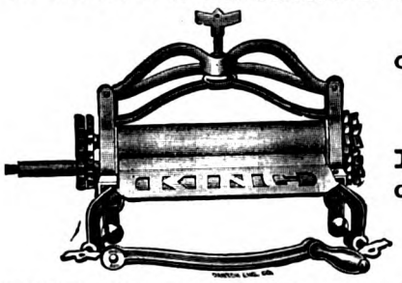
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We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

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Sample by mail 75 cents. Illustrated circular and price list sent on application.

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COLUMBIA WASHING MACHINE

Made of Best Virginia White Cedar. All Trimmings, Casting, etc., Galvanized.

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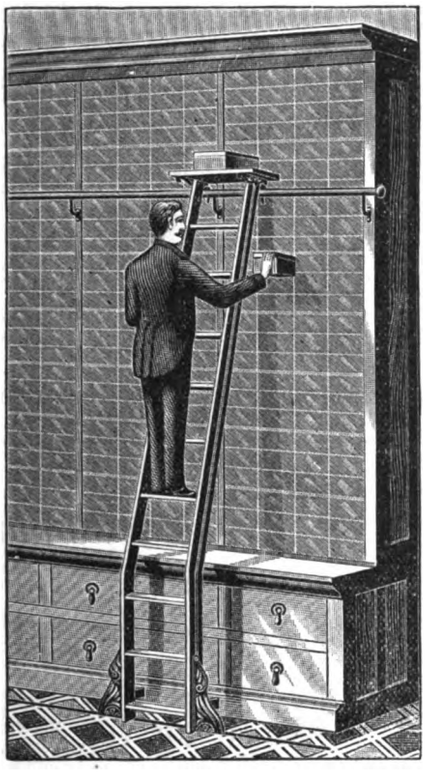
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Especially adapted for Hardware Stores



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

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is growing in circulation and influence with every day that passes. Now is the time to subscribe!

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MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

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OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
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GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

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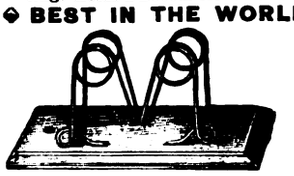
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TO KEEP A BROOM

Use the COMMON SENSE BROOM HOLDER. It keeps a broom dry, keeps it in shape, keeps it from rotting. Holds a Broom either end up.

BEST IN THE WORLD.



"WIRE HANGERS."

12 STYLES FOR
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Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

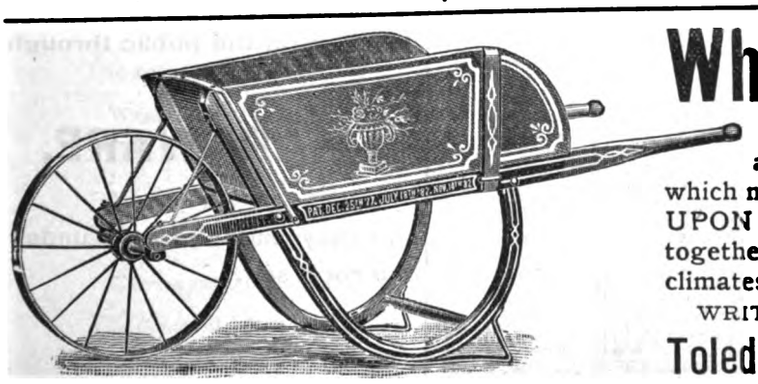
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of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

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Toledo Wheelbarrow Works, Toledo, O.

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We are offering the finest lines of the following goods in New York City and specially **commend them** to those who are **re-fitting their stores or establishing new ones. Our prices are the lowest** in the market, consistent with high quality goods. ∴ ∴ ∴ ∴ ∴



Empire Desk Co., Have removed to **307 Canal St., and 49 Howard Street, New York.**

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ROLL-TOP DESKS, STORE STOOLS, CASHIERS' AND TYPEWRITERS' DESKS, FILING CASES, CHAIRS,
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Office Partitions, Railings, Sample Tables, or any kind of Special Work to order.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

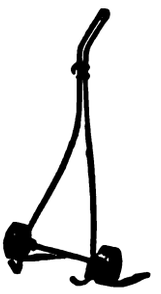
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We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

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Burritt's Double Seamers
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Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
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Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
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Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
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Lead
Little Wonder Punch
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Pail Woods
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Roofing Tin
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Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
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Tin
Tin Plates
Tin Shingles
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Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,
Gouverneur, N. Y.
U. S. A.

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— WILL —

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under like rock salt.

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THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

No Disagreeable Odor. No Ashes Light and Heat in Abundance.



No. 327. No. 3 Lift Burner. Height, 32½ inches. Spread of Base, 12½ inches. Nickel Finish.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION: The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

——MANUFACTURED BY——

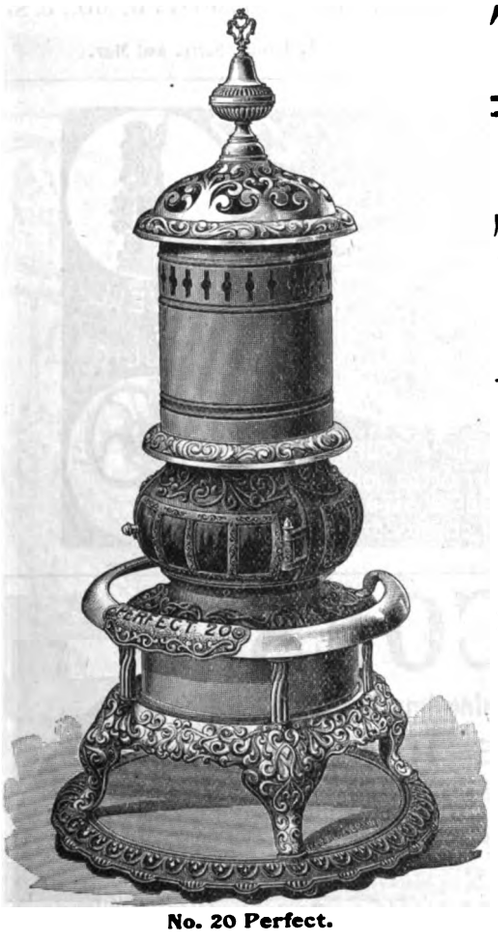
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NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 63 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



No. 328. No. 3 Lift Burner. Height, 32 inches. Spread of Feet, 11¼ inches. Russia Iron with Nickel Lamp and Trimmings.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

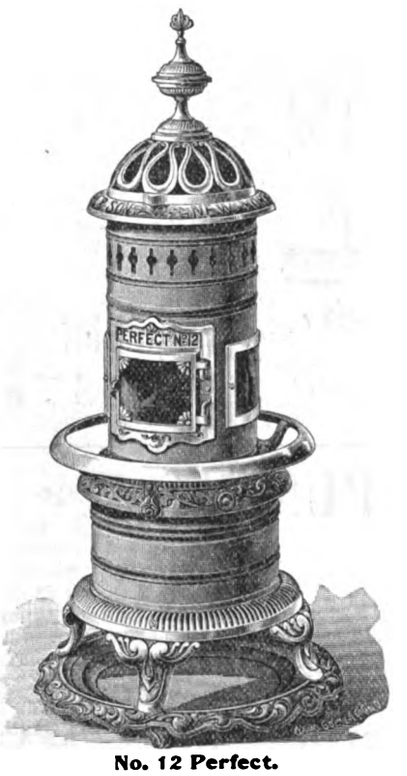
All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

MANUFACTURED BY

J. H. CORT & SON,

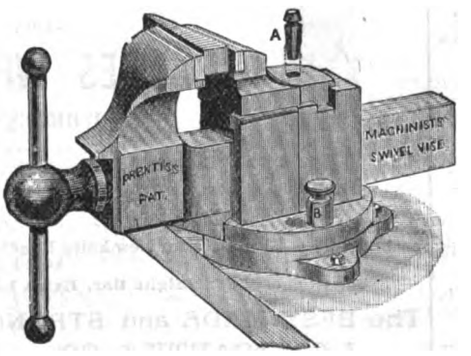
41-51 Adams St, 138-154 Water St., **Brooklyn, N. Y.**



No. 12 Perfect.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

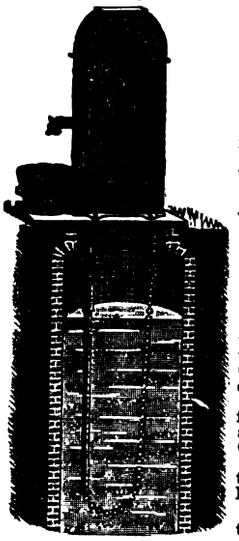
44 Barclay St., New York.

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Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT
Galvanized Iron
Tubing and Curb



No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.

More Durability.
Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chain pumps. Send for illustrated Catalogue.

Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.



The Perfection Pumps.

Over 32,000 sold in 1894. Have been manufactured for 9 years. This is evidence of the superiority of

THE PERFECTION WATER ELEVATOR AND PURIFYING PUMP

is guaranteed to Purify the foulest well or cistern in 10 days ordinary use. Extra heavy Double Geared fixture and Solid Cast Iron Combination Spout and Receiver are new features for 1895. No soldering on our bucket or chain. Bucket made of one piece of steel folded by double lap seams and galvanized after constructed guaranteed for 10 years. Unprincipled manufacturers will tell you their pump is as good as the "Perfection." All we ask is a comparison. No hoop iron; no bottom wheel made of sheet iron hooked together and filled with sand. No deception in the "Perfection" every thing solid and durable as skill and money can make it. Buy no other but the "Perfection." All of the leading jobbers of the world handle the "Perfection" Write us for general information.

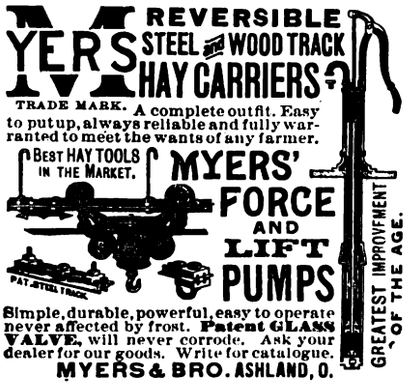
ST. JOSEPH PUMP CO.,

Exclusive Manfr. ST. JOSEPH, MO., U. S. A.

E. A. King, Secty. and Mgr.

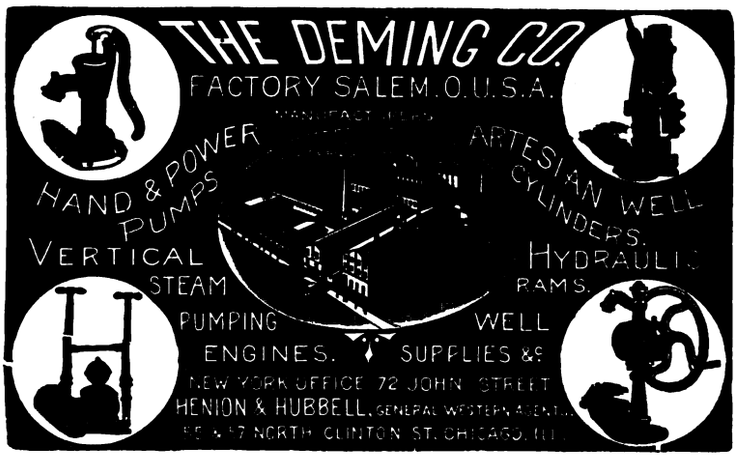
MYERS REVERSIBLE STEEL AND WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE**, will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.



PUMPS

WOOD AND IRON. OUR WOODEN PUMP IS THE BEST MADE. THEY ARE FIRST CLASS IN EVERY RESPECT. ONLY ONE DEALER IN A TOWN ALLOWED TO HANDLE THEM. WRITE TO US TO-DAY.

COMSTOCK & COONSE CO.,
INDIANAPOLIS, IND.

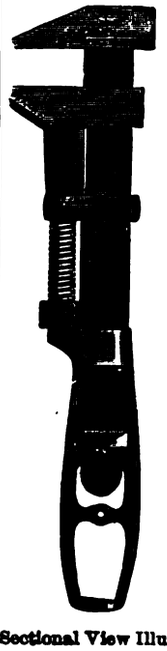
Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.



MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1830.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.

Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

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Our Latest is the Ormonde



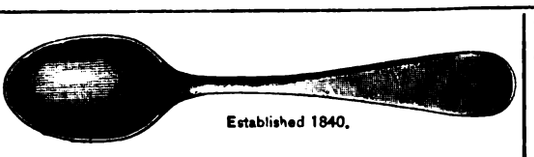
And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

—FACTORIES:—

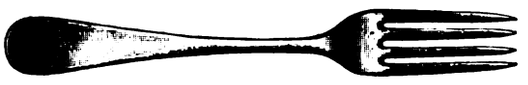
HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

Howard Iron Works,

BUFFALO N. Y.

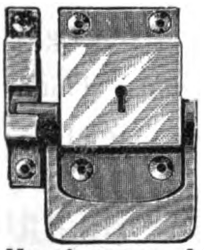
Manufacturers of

Bench Vises.

Price Lists sent on application.



The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easil with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY

P. J. CONROY,
PHILADELPHIA PA.

Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.



This Spring we are making some valuable special offers to dealers who sell

BISSELL CARPET SWEEPERS

Write for Particulars.

BISSELL CARPET SWEEPER CO.

CARPET SWEEPERS ONLY.

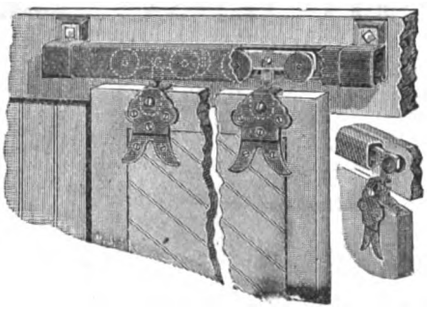
FACTORIES: Grand Rapids, Mich.; Toronto, Canada; Paris, France.

OFFICES: Grand Rapids, Mich. (Main Office); New York City (Export Office).

BRANCHES: London, Boston, Paris, Hamburg, Melbourne, Rotterdam, and agencies in Twenty Foreign Countries.

"Be careful about tying up parcels. Have them neat and secure. A parcel that won't hang together until a customer gets home is apt to make mischief. It may cost the dealer the trade of that customer, or it may cost the care less assistant who tied it the loss of his situation."

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

WOOD MANTELS.



On account of Free Fly Coinage,

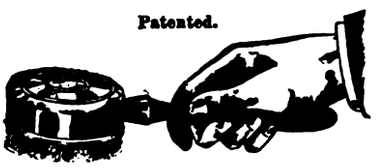
Phillips Screens

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

The A. J. Phillips Co., Fenton, Mich.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Liberal discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,

146 Franklin St., Boston, Mass.

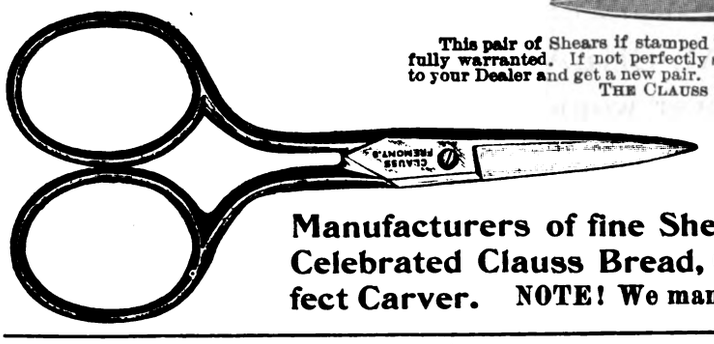
PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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CLAUSS, Fremont, Ohio.





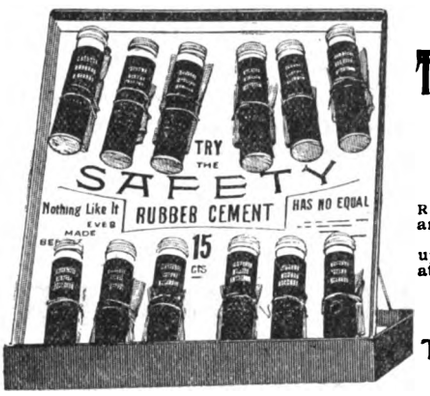
This pair of Shears if stamped "Clauss, Fremont, O." is **fully warranted.** If not perfectly satisfactory return them **to your Dealer and get a new pair.**
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.

Marten Doscher,
DEPOT,
88 Chambers St., New York.
EDGE TOOLS,
G. W. Bradley's,
Horton's,
L. H. Watt's.
BENCH PLANES, &c.
Turned Work Handles, Mallets, &c.

"HARDWARE" has a field of its own.
That's Why
Advertisers get results.



"A WINNER."
The Safety Rubber Cement Outfit.
EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.
The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of **15 cents.**
Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

ESTABLISHED, 1835. INCORPORATED, 1892.
R. HEINISCH'S SONS CO., NEWARK, N. J.
New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.
CATALOGUES AND PRICES ON APPLICATION.
We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

WITH THIS NEW
Garden Cultivator

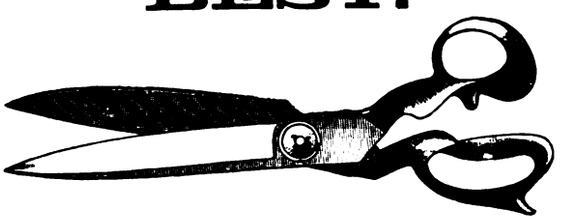


A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG, CO., ROCK FALLS, ILL.

THE WISS SHEARS AND SCISSORS.
Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence
FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

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PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom, 122 Chambers Street.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

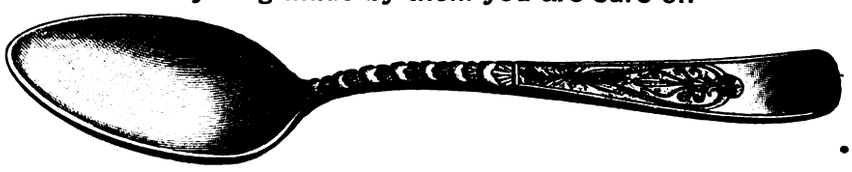
JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & Co., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY Co., CONTINENTAL CUTLERY Co, WALTHAM CUTLERY Co, ALEXANDER FRAZER & Co., JONES & Co.

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

High Grade American Cutlery.

EVERY BLADE

HAND-FORGED

FROM BAR STEEL

AND FULLY WARRANTED.

Elliott W. Langley, 74 Reade St, New York.

If you wish to learn something to your advantage, send for a sample copy of

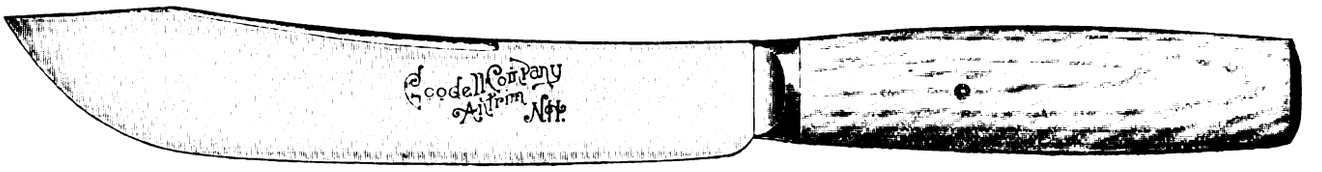
"HARDWARE."

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GOODELL COMPANY, ANTRIM, N. H.

MANUFACTURERS OF

Table Knives in great variety, Butchers, Carvers, Shoe Knives.



IN FACT JUST ABOUT EVERY THING IN THE KNIFE LINE EXCEPT POCKETS. .·. .·. ALL FULLY WARRANTED. PRICES ARE LOW NOW ◒ ◒

—AGENTS:—

The Alford & Berkele Co., 77 Chambers Street, New York City.
Henry Keidel & Co., 25 Hanover Street, Baltimore, Md.
G. W. Hodges, 708 Tacoma Building, Chicago, Ill.
M. G Rodearmel, 516 Boston Block, Minneapolis, Minn.
C. A. Maydwell, 23 Davis Street, San Francisco, Cal.

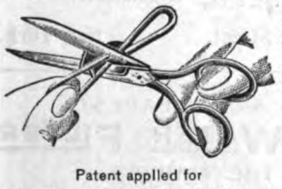


W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York. Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER

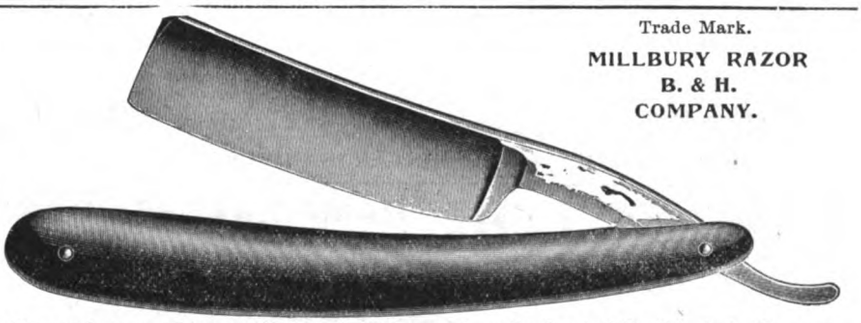


Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c

EASTMAN & CO, 64 Reade St., New York.

Trade Mark.
MILLBURY RAZOR
B. & H.
COMPANY.



WE manufacture nothing but Highest Grade Razors from the finest of English steel. Every razor hand forged and hand ground. Will exchange every one not proving satisfactory. Will be pleased to send sample orders on trial. Orders may be sent to TOWER & LYON, No. 95 Chambers St, New York, or direct to factory. We are the makers of the Charles Buck Razor, but hereafter all goods will be marked with the above trade mark unless otherwise ordered.

MILLBURY RAZOR CO., - MILLBURY, MASS, U. S. A.

SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to dtvert their attention. : : : : :

Finest Quality Pocket Cutlery

TRADE UN-X-LD MARK.

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.

FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.



WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address
FOREHAND ARMS CO.,
WORCESTER, MASS.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, **PARKER BROS.,** MAKERS, **Meriden, Conn.**

WINNER OF GRAND AMERICAN HANDICAP OF 1895.

REMINGTON
HAMMERLESS GUNS.
Automatic and non-Aut. Ejecting.

THE FINEST AMERICAN GUNS EVER OFFERED.

10 Qualities, from $45.00 Upwards.



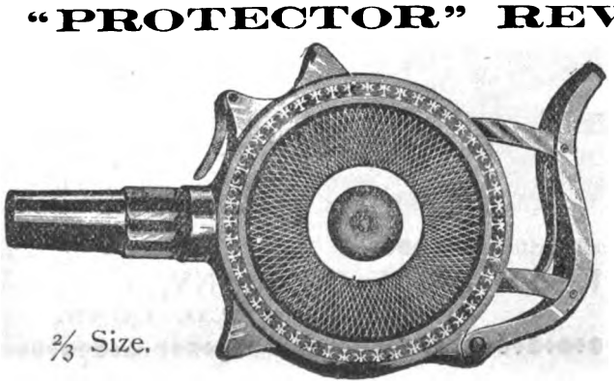
GUARANTEED FOR NITRO POWDERS.

Complete Catalogue of Remington Firearms on application.

REMINGTON ARMS CO., - ILION, N. Y.

Makers of the Celebrated Remington Bicycle, office, 313-315 Broadway, New York.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.

THE WELLS & BRAINERD CO., Agents, 81 Reade Street, New York.

Seed's
New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at : · :

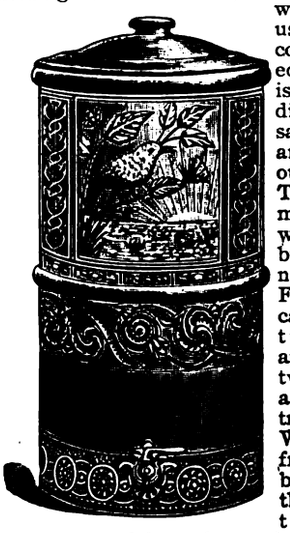
75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : : :

J. H. SEED, Manufacturer,
21 & 23 Centre Street, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

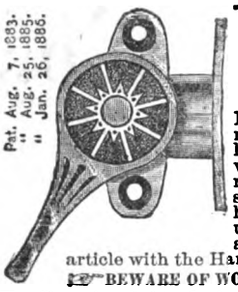
Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

F. H. WEEKS, - AKRON, OHIO.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

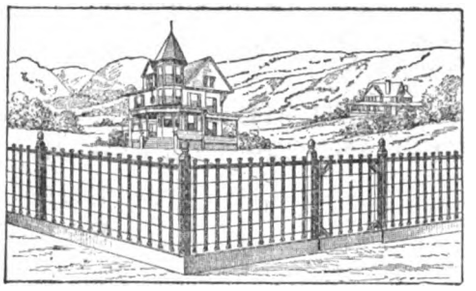
The Champion Safety Lock Co., Cleveland, O.





KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market.

Send for Illustrated Circular and price list.

Art Hardware

adapted to the requirements of every style of Architecture. "Vassar" Cylinder Locks and Fine Bit-Key Locks of all kinds.

WAREHOUSES:

New York,	Philadelphia,	Chicago,
96 & 98 Reade St.	514 Commerce St.	73 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.



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The Yale & Towne Mfg. Co.,

Manufacturers of BUILDERS' HARDWARE.

GENERAL OFFICES: 280 Broadway, New York.

WAREROOMS:

NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.

Works: { Stamford, Conn. / Branford, Conn.

BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Building.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

A1 SALESMAN wanted to visit the Jobbing trade of New York and Pennsylvania. Liberal commission. Address L. L. W., care HARDWARE, No. 143 Chambers Street, New York.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A competent salesman of table cutlery; one who can command trade and manage that department. Address R., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

WANTED a position as traveler for Hardware or Hardware specialties by a man of some ability and eight years' experience. References my present employers. T. A. Stroud, Pine Bluff, Ark.

YOUNG man, 25, desires position as assistant bookkeeper and general man in a Hardware concern. Can furnish A1 references as to ability, etc. Five years' experience in Hardware line. Address J. H., No. 412 Eighth Avenue, New York City.

A POSITION by a young man. Six years' experience in large builders' Hardware manufacturing concern. Well acquainted with builders' Hardware and estimate work. Discount, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as salesman, traveling or in store, of wholesale or retail general Hardware or cutlery house. Have had ten years' experience as buyer and head salesman in above lines, and will furnish the highest references. X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted to auctioneer job lots or Hardware specialties through the West, by a man who has had twenty years' experience in that line, and can furnish A1 references. Would be pleased to correspond with job lot dealers. Address P. H. Starr, Norwalk, Ohio.

AN experienced Hardware salesman, ten years on the road, desires a position with a first-class cutlery or Hardware house. Best of references as to character and ability. Address H. W., care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted by a man with twenty years' experience in the Hardware business. Thoroughly posted in builders' Hardware and house-furnishing goods. Will accept position in house or on the road. Address Brooklyn, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Experienced Hardware salesman, seven years introducing to architects and large trade extensive territory. Ability, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Position desired as such to represent first class firm, California preferred. Smart, well educated, used to traveling in States, Canada, England and Germany. Fifteen years' references. Age, 31. Address F. N. Co., No 1710 Amsterdam Avenue, New York.

BICYCLE DEPARTMENT.—A1 man of many years' experience, thoroughly well posted in regard to every detail of the bicycle business; first-class salesman, good advertiser and persistent hard worker would like charge of this department or is open to offers. C. C. L., care HARDWARE, No 143 Chambers Street, New York.

A COMPETENT young lady, who has had business experience, would like position of stenographer and typewriter in some reliable Hardware house First-class references given. Address Typewriter, care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted by a first-class tinner, an expert at furnace work, roofing, spouting and general jobbing and repairing; also understands bicycle repairing. Young man, single, speaks English and German; industrious, steady and sober References. Address H. F. Thompson, No. 135 Lake Street, Chicago, Ill.

A FIRST-CLASS cutlery salesman is open to engagement to travel. Is now under contract which is about to expire. References given and required. Address "Cutlery Salesman," care HARDWARE, No. 143 Chambers Street, New York.

A LIVE, energetic young man recently employed by leading cutlery importer, desires to represent a German manufacturer to take importation orders for pocket-knives, razors or scissors. An experienced traveler and possessing the highest references. Address Norroton, care HARDWARE, No. 143 Chambers Street, New York.

BICYCLES—A1 man of many years' experience, thoroughly well-posted in regard to every detail of the bicycle business. First-class advertiser and persistent worker would like to have charge of this department or have propositions. Address to Cycle Propositions, care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty-four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware, stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Lake County, Ohio.

WANTED—By a young man with twelve years' experience in the Hardware business, a position either in the house or on the road. Unquestionable references. Address M. G., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and M'f'r, ISAAC CHURCH, Toledo, O

Send for Catalogue.

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Situations Wanted.

A SHEET metal salesman with eight years' factory experience, wishes a change of employers, same line, or with manufacturing or jobbing Hardware house. Address "New Jersey," care HARDWARE, No. 143 Chambers Street, New York.

A POSITION as commercial traveler is wanted by young man of great ability, having a fine education. Good references given. Address J N. Patterson, England, Pa.

YOUNG man, twenty-two, desires situation in city or country; rapid penman; accurate, honest, temperate; liking for hard work; can give bond. Address A. E. McLean, Tremont, N. Y. C.

WANTED—By a young man, thirty-five years of age, with fourteen years' experience in the retail Hardware business, position as salesman with a good house. Thoroughly posted in builders' Hardware, and capable of making estimates from architects' specifications. Can fu nish unexceptional references. Address Capable, care HARDWARE, No. 143 Chambers Street, New York.

POSITION by a young man to represent barbers' supply or good cutlery house in two or three Southern States. Good references as to character and ability; three years' experience with barbers' supply and cutlery house. Address, stating salary given, to Cutlery, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

TRAVELING salesman, of long experience, acquainted with Hardware trade through Middle and Western States, wants side line from manufacturer; mechanics' tools preferred. Address C. D. Ferre, No. 9 Locust Street. Springfield, Mass.

THE subscriber desires to recommend a first-class traveling salesman, at present covering the State of Colorado with samples of crockery, to manufacturers of Hardware or other similar lines desirous of being efficiently represented in that territory. Address Henry W. Darling, Treasurer General Electric Co, Schenectady, N. Y.

WANTED side line of leading manufacturer by builders' Hardware salesman for New York, Brooklyn, Philadelphia, Boston, and large towns in New York State and New England, also Baltimore, Washington and New Jersey. First-class references. Address Chipman, care HARDWARE, No. 143 Chambers Street, New York.

WANTED a line of "corrugated conductors," etc., or Hardware specialties for Milwaukee and Wisconsin trade. "S.," No. 334 Twenty-first Avenue, Milwaukee, Wis.

TRAVELING salesman with established trade in leading towns in Middle and Western States, wants a line, or good specialty to sell Hardware trade on commission. Address Good Trade, care HARDWARE, No. 143 Chambers Street, New York.

AN active agent with large personal acquaintance with jobbing and retail toy trade wishes a line of small iron toys on commission for Baltimore and Washington, D. C. Best of references. Address C. F. M., corner Bond and Gay Streets, Baltimore, Md.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WE want traveling salesmen to sell our washer direct to the retail trade. We will allow a liberal commission, and also allow them a commission on all mail orders coming from their customers. For full particulars address the Rocker Washer Co., Ft. Wayne, Ind.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

WANTED Agents for Ariston Cycles in States of New York, New Jersey and Connecticut. Address Hoole Machine & Engraving Works, No. 83 Reade Street, New York.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

WANTED—Active, energetic traveling Hardware salesman to carry an article as a side line, which will interest every dealer. Large commissions paid. Address Richmond Safety Gate Co., Richmond, Ind.

WANTED—Experienced Salesman in Western States to sell good staple in Hardware line, representing manufacturer direct. Liberal commission. Address Box 156, Wilkinsburg P. O., Pittsburg, Pa.

Agencies for Hardware Specialties Wanted.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged. Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

WHO has got a good line or specialty to sell to Hardware trade, that would like to be represented in New York City by party having established trade, on commission or otherwise? Address Hardware Selling Co., care HARDWARE, No 143 Chambers Street, New York.

Bicycle Agency Wanted.

WANTED for Chicago and vicinity the agency for a good standard bicycle by three live men. For the trade only. Good showroom on prominent thoroughfare. D. Hymes, No. 135 Lake Street, Chicago Ill.

Business Opportunity.

WANTED an experienced partner with $3000 to take half interest in an established Hardware business in a growing town. Address H. H. H., P.O. Box 2383, New York City.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.



THE SAMUEL I. GOODALL CO.,

MANUFACTURERS OF

Bailey Pattern Planes, Try Squares Bevels, Etc.

Philadelphia, Pa., U. S. A.



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"Excellent Cream!"

WHITE MOUNTAIN FREEZER

Improved for 1895

With which the finest quality of cream can be produced in Four Minutes.

As features of especial merit we claim:

A STRONG, waterproof tub, bound with heavy, galvanized iron hoops that fully protect the tub, and do not fall off; the gearing completely covered, so that nothing can get between the cogs. Cans full size and made of the very best quality of charcoal tin plate; beaters of malleable iron and tinned; all castings attached to the tub nicely galvanized to prevent rusting. It is the only Freezer in the world having the CELEBRATED DUPLEX DASHER, WITH DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by the use of which cream can be frozen in less time, yet finer and smoother than can possibly be produced in any other Freezer now in use.

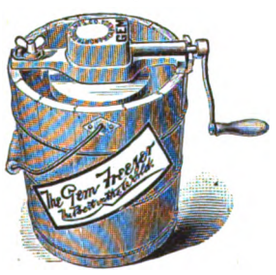
Get the Best. All Leading Jobbers Sell Them.

THE WHITE MOUNTAIN FREEZER CO., Nashua, N. H.

The BEST FREEZERS Made

HAVE
Electric-Welded Wire Hoop Pails,
MADE OF
Best Virginia White Cedar,
AND
Drawn Steel Bottom Cans.

SOLD BY LEADING JOBBERS.







HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

STRONGER. LAST LONGER. HANDSOMER.
EQUALLED BY NONE
IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

Manufactured Exclusively by

North Bros. Mfg. Co., Philadelphia, Pa.

SAVE YOUR CHAIN.

USE EAST INDIA STICK GRAPHOLINE.

The genuine bears our trade mark. Beware of imitation.

Nothing is too good for your chain.

East India GRAPHOLINE costs a little more but it is High Grade, put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr. 632 Fourth Ave.,
LOUISVILLE, KY.

Sample stick by mail, 25 cents.



Electrotype furnished for Catalogue.

OHIO ICE CREAM



A high-grade Freezer.
Mechanically Correct.
Fittings Accurate.
Easily Cleaned.

"THE RESULT OF 25 YEARS' EXPERIENCE."

Thoroughly mixes the Cream from bottom to top. Neither Salt nor Oil can reach the Cream. It has all the good points of other makes, and many more of its own.

THE
Saml. C. Tatum Co.
Sole Mfrs.,
254 Water Street,
Cincinnati, O.

FREEZER

FAITH

—IN—

ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....37 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2½
Rim Fire Military.....15&2½
Cent. Fire, Pistol and Rifle.25&5&2½
Cent. Fire, Military and Sporting 15&5&2½
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2½
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2½
First quality, 14, 16 and 20 gauge $7.50.....20&10&2½
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2½
Brass Shot Shells, 1st quality..60&2½
Brass Shot Shells, Club, Rival and Climax.....65&2½

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
20&2½

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$1.75
Dust Shot, 5-lb bags, ₩ bag ....$ .40

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1,000 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....9¼@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits25%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals, 45&10&10%
Brace twist drills for wood, 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18...40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's..45&10@45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....2½@25&10%
Snell's.....25&25&10%

Awls—
Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..25&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.40&10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb:
Broad.....40&10@50%
Shingling.....40&10@50%
Lathing.....40&10@50%
Warehouse.....40&10@50%
Collins.....10%

Balances—
Straight Spring balances.40&10@50%
Common 24 lb.....₩ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Bal.....40@40&10%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—
HAND—
Light Brass.....70& 10@70& 10& 5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓& 10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓&5
Auctioneers.....25%
Francis Keil & Son Trip Gongs...50%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....33⅓&10%
Gong, Yankee.....45&10%
Gong, Barton's.....40&10@50%0%
Crank, Taylor's.....25&10%
Crank, Brooks'.....2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&2½
Pull, Brooks'.....50&10&2½
Duplex, Sanderson's.... ....Net
Eastlake Hand.....65%
New Departure.....45@60%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—
Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7¼x⅞x1, ₩ doz. $11.00.....50%
9x⅞x1, ₩ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $20.00....60&5@60&10%

Blind Adjusters—
Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2½
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro. sets.....$5.50
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1.00..2@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55& 10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75&10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75& 0@80%
Wrought Square.....75&10@80%
Norwich Lock Mfg. Co. list.....80%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.66⅔%
Wr't Sunk Flush, Sargent's list. 60@10%
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan 30, '95.70&10&5@70&10&10%
Genuine Eagle, list Oct. '84...80&5@ 80&10%
Phila. pattern, list Oct. 7, '84.....80%
R. B. & W., old list.....70&10%
Machine list Jan. 30, '95.....75&10%
Bolt Ends, list Jan. 30, '95..80@80&5%

TIRE—
Common, list Feb. 28, '88.....70&10%
Port Chester Bolt and Nut Co.
Empire, list Feb. 28, '88.....70&10%
Keystone, Phila., list Oct. '84.80&10%
Norway, Phila., list Oct. '84.75&10%
American Screw Co.:
Norway, Pa., list Oct. 16, '84.75&10%
Eagle Phila., list Oct. 16, '84.80&10%
Bay State, list Feb. 28, '88...70&10%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....70%
Plow.....10&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7.00.....33⅓%
"New Easy" Bolt Clipper, $9.00. 33⅓%

Bone Mills—
Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75..... 50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50% 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—
Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10 & 5%
Peck, Stow & W. Co. 60&10@60&10&10%

Braces—
Barber's.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....60&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%
Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net. ₩ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.70@70&10%
Window Screen Corner.....70&10%

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Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....90&20@90&25%

Bull Rings—
Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...80%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s 60@60&10%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....35%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—
Enterprise.....25%

Butter and Cheese Tryers—
Ordinary.....35%

Butt Gauges—
Stanley's.....20&10%

Butts—
BRASS—
Wrought Brass.....80&10@80&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint...33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....60@60&10%
Fast Joint, Broad.60&10@60&10&10%
Loose Joint.....75&10@8 %
Loose Joint, Japanned....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@80%
Parliament Butts.....75&10@80%
Mayer's Hinges.....75@10@80%
Loose Pin, Acorns.....75&10@80%
Loose Pin, Acorns, Jap...75&10@80%
Loose Pin, Acorns, Japanned, Plated Tips.....75&10@80%
WROUGHT—
List, April 1, 1895.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin..... } 75%
Bronzed Wrt. Butts.5 &10@50&10&5%

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $1.75@$2.00
Dunlap's Iron Handle, No. 8 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.3$1.75.25%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka.....₩ doz. $3.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00.....25%
Star.....₩ doz. $2.75
Sprague, No. 1, $2.00; 2, $2.25; 3, $3.50, 70%
World's Best, ₩ gr., No. 1, $13.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....55&5%
Domestic, ₩ doz. $2.00.....45%
Champion, ₩ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....75%

Caps—
See Ammunition.

Cards—
Horse and Curry.....20@35%
Cotton.....2@25%
Wool.....2@25%

Carpet Stretchers—
Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points.₩ doz. 85c 20%
Bullard's.....30%
Dunlap's.....25%
Wm. Johnson's Socket.....30%

Carpet Sweepers—
Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₩ doz. $21.00
Domestic, No. 2.....₩ doz. $22.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Standard.....₩ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Casters—
Bed..... }
Plate..... } 60&10@70%
Shallow Socket..... }
Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Payson's Anti-friction70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....35%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s..70&10@70&10&10%
Sargent's.....70&10@70&10&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....66⅔%
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
Trace, 6½-10-3, ₩ pair, $1.08.....60&10%
Trace, 6½-10-3, ₩ pair 92c.....60%
Trace, 7-10-3, ₩ pair $1.11.....60%
Log, Fifth Stretcher, other fancy Chains.....60&10&5@60&10&10&5%
German Coil.....60&10%
German Halter Chain.....60&10%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₩ ft 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Cherry Stoners—
Enterprise.....25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby..... } 80@80&10%
Mix.....
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....$4.75@$5.00 to £
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $6.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....30%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's..75@75&5%
Carriage Makers' P. S. & W. Co..40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle.....70@70&5%
Spring Bar Clips.....60&10&10@ 0%
Superior Axle Clips.....70@7 &5%

Cockeyes—
Triangular and Screw..... 60&5%

Coffee Mills—
Box and Side.....60@60&10%
Am. Enterprise Mfg. Co.....35%
The Swift, Lane Bros.....30%
Wapdell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s: Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers .....75¢
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....30&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
Williamson's 33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....25%
Samson.....₩ doz $10.00

Corn Huskers—
Blairs Gloves, ₩ doz. pair: No. 138, $6; No. 142, $7; No 145, $7; No 146, $9; No. 150, $9; No. 152, $7.50; No. 170, $2 .....6%
Hubbard's Solid Steel.₩ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's.....25@25&10%
Wadsworth's.....25@25&10%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—
Spring, Jap'd ₩ doz. $1.75; Blued, $2 25; Nickeled, $3.00.
Rubber, ₩ doz. $7.50.....20%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½
$1.35 $1.48
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.....40%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....20%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00.....20%
Warner's.....5¢@75 & 5%
Gem (Coil), list April 19, 1886..20& 20%
Star (Coil), list April 19, 1886 20&10%
Foster's (Coil).....20%
Champion (Coil)....55&10@55&10&5%
Cowell's No. 1, ₩ doz., $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ₩ doz. $5.50. 66⅔@70%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin....
P. S. & W..... } 80@80&10%
Mix.....
New Haven.....
Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@20%
L. & I. J. White.....2 &5@25%
Bradley's.....35%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@35&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....50&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.)....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Egg Poachers—
Morgan Steam, No. 3. No. 5.
₩ doz. $4.50 $6.00.....40%

Emery—
No. 4 to No. 54 to Flour, CF FF.

	46 gr.	150 gr.	
Kegs, ₩ lb.	4½c	5c	2½c
½ kegs, ₩ lb.	4½c	5½c	2½c
¼ kegs, ₩ lb.	5c	5½c	3c
10 lb cans, 10 in case....	6c	½c	5c
10 lb cans, less than 10..	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....25%
Fenn's Cork Stops....33⅓%
Starr....60%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00....33⅓%
Lane's ₩ doz. $36.00....25%
Enterprise Molasses Gates....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt ...	$3.00	$3.75	$4.00
Dairy Pails, 14 qt. $3.33..		4.00	
Fire Pails, No. 2, 14 qt. $4 00	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6.50		
Slop Jars (bal. trap), No. 5 and 5x, 14 qt ...	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt...	5.50	6.50	7.50
Commoee Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)..	1.90	2.30	2.80
" (13¼ inch)	2.80	2.80	3.30
Wash Bowls		3.50	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2.80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (p essed)	3.50	4.00	4.50
Spittoons, 10 1nd 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures...	2.50		

Files—
DOMESTIC—
Arcade....65%
Montgomery & Co., Special....65%
Nicholson Files, Rasps, &c....66⅔%
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagle....60&10&10@70%
New American....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't&5010%
IMPORTED—
Moss & Gamble, List April 1, 1888. 15%
Butcher....Butcher's list, 30%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—
Seed's Water Filters...$3 dos. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base)....10%

Fluting Machines—
Knox....35%
Geneva Hand Fluter, White Metal, ₩ dos. $12.00....25&5%
Crown Fluters....80%

Fluting Scissors—
List....45%

Fly Fans—
Columbia....10%
Fowlers ₩ doz....$31.00
Keyless M. & L. Co. ₩ dos....$31.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list. 60@60&5%

Freezers, Ice Cream—
Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Ohio....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....55%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co....25%
Henis....₩ doz $3.50
Shepard's Queen City....40%

Fry Pans—
Standard List:

No	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gauges—
Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....25&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....20&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—
Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....25&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ₩ gr $12....25@25&10%
Bell Hangers....50%

Glue—
Dodd's Liquid Glue....25&25&5%

Glue Pots—
Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Graters—
Enterprise....25%

Grindstones—
Family....50%
New York Pattern....20%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—
Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's....₩ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ¼ in. Jute.
Rope, ¼ in. Hemp.
Web and Rope Halters.
Hemp Horse and Cattle Ties.
Jute Horse and Cattle Ties.
} 40%
Upson & Wooding....40%

Hammers—
HANDLED HAMMERS—
Maydole's....25%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co....
} 40&10@50&10%
Fayette R. Plumb....
C. Hammond & Son. List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.35, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....75&10%
Stone....70%
Blacksmiths'....60&10%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....20@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ₩ doz. Nos. 1, $3; 2, $2.... ....33⅓%
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00....45%
Upholsterers Solid Steel, French ₩ doz. $20.00....80%
Upholsterers Rosewood Handles, ₩ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 ℔....₩ ℔ 45c
3 to 5 ℔....₩ ℔ 35c
Over 5 ℔....₩ ℔ 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c₩ ℔

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per dos.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%

STORE DOOR HANDLES.—
Japanned....60&10%
Bronzed....60&10@66⅔%
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%

DOOR PULL—
Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 8.00
} 25@40%
Worcester Leather Cap'd Chisel. 25%
File, assorted....₩ gr 2.75
Auger, assorted ...₩ gr 5.00
Auger, large....₩ gr 7.00
} 30@
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's....₩ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 26c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 30%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—
Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track. 55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&2%
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader. 50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger....20&10%
Davis Hanger....20&10&10%
Stearns' Barn Door....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1¼, $18.00; 2, $22 3, $26.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ₩ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger...20&10 @25&10%
Warner's Pat....20&10@20&10&10%
Stearns' Anti-Friction....20&10@20 &10&10%
Stearns' Challenge 25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $8.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net....30%

Hay and Straw Knives—
Lightning. Mfrs' price ₩ doz $18.00, 45%
Gem....₩ doz $10
Wadsworth's....40%
Carter's Needle..₩ doz $11.50@$12.00
Heath's....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap....30%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hood... { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. { ⅛ in., ₩ doz $1.50; ⅜ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 32 and 34 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100℔ $5.75, over 14 in., ₩ 100℔....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....20%
Acme....30%
J. S....25&10%
Empire and Crown....20%
Stover Ideal ₩ gro....$13.00
New Idea ₩ gro....$13.00
Hero and Monarch....55%
American, Gem and Star....20%
Oxford....20%
Barker's Double Acting...25@25&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@20%
Chicago....30%
Wiles'....10%
Devore's....40%
Rex....40%
Royal Japanned....66%
Royal Bronze....45%
Reliable....60%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....80%
Rubber....66⅔%

GATE HINGES—
Western....₩ doz $4.40, 60%
N. E....₩ doz $7.00, 55%
N. E. Reversible, ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....₩ doz $5.00, 55&10%
Automatic....₩ doz $12.50, 50%
Keil's Superior....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's....45&10%
Shepard's....60&10&15%
Sargents....60%
Reed's Latch and Hinges...₩ doz $12.00, 50%
Long's Self Closing....50%

BLIND HINGES—
Barker....75&10%
Palmer....50&10&10%
Seymour....70&5%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 3, 5, 40 and 50....50%
Clark's Mortise Gravity....80%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....80%
Buffalo....80%
Clark's Genuine Pattern....80%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2½, 3....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c....80%
Planter's Cotton, &c....80%
Warren Hoe....65%
Magic....₩ dos $4.00
Dunlap's:
Boys' hoes....₩ doz $3.00, 30%
Ladies' hoes....₩ doz $2.00, 30%
Scuffle....30%

EYE—
D. & H. Scovil....20%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ₩ doz $1.25
Hill's Tongs....₩ doz $3.00
Hill's Rings...₩ doz bxs $2.15@$1.00
Perfect Rings..₩ doz bxs $1.60@$1.70
Perfect Ringers...₩ doz $2.15@$2.25
Blair's Hog Ringer ₩ doz $2.25@$2.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers....₩ doz $2.00
Champion Rings, Double, ₩ doz $2.25
Brown's Ringers....₩ doz $2.00
Brown's Rings....₩ doz $1.25@$1.30

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....55&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....60@10&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....
Meriden Britannia Co.....
Simpson, Hall, Miller & Co..
Rogers & Brother.....
Hartford Silver-Plate Co.
William Rogers Mfg. Co.
} 40&5%
} 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading.....
Clothes Line, Sargent's list.
} 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".....60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....60&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House..70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	28c	26c	25c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	28c	26c	25c	24c	23c.	40&10&5&2½&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	28c	21c	20c	19c	18c.	25%
Northw't'n	28c	26c	23c	21c	20c.	25@25&5%
A. U.	25c	23c	22c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	23c	22c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	22c	21c.	21c	40&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&5&2%
Saranac	28c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	22c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	28c	21c	20c	19c	18c	35%
Western	28c	21c	20c	19c	18c	50%
Empire Bronsed	13@14c ₩ lb					

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
See Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$5.40	$9.00	$10.80	$12.60
Each.	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen.	$14.40	$18.00	$20.64	$23.40	
Each.	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen.	$27.00	$32.40	$41.58	$49.50	
Each.	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen.	$65.34	$79.20	$108.90	$136.62	
Each.	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen.	$5.40	$9.00	$10.80	$12.60
Each.	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen.	$14.40	$18.00	$20.64	
Each.	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen.	$23.40	$27.00	$32.40	
Each.	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys...₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Minding Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co....50@33⅓%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5%@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....33c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 68.....40%
Dietz, Nos. 66 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 595..15%
A. E. Delts.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....30&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 109 line.....65%
Nos. 225, 510.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....80%
No. 427.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....35&10%
Lignumvitæ.....35&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$80.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..₩ d oz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8	
	$50	$75	$80	$225	20@25%

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachtera.....60&10%
Cannon's Diam'd Point₩ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $3.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.

	Sq.	Hex.
Hot Pressed	5.50c	6.10c
Cold Punched	5.10c	5.20c
Cold Pressed C. & T.	4.80c	

In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx 1¾ to 2¾ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....80
Extra, same sizes as above.....80
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ lb.....34
" 2x2x½, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ lb.....2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ lb.....3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 1¼, ₩ lb.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x1⅛ to ⅝ ₩ lb.....4.0

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No. 2, assorted sizes, ₩ ℔..... 2.00
Discount 33⅓&.
Pike's Soft Arkansas:
Assortment A, ₩ ℔..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ ℔ .06
Washita Finish, about 8x2x¾ to 1¼, ₩ ℔..... .10
Round Edge Slips, about 6x1½ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ ℔..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ ℔..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ ℔..... .08
Small Axe, about 3x2x⅛ to 1 ₩ ℔..... .10
Special Axe, 2¾x1½x¼ ₩ ℔... .18
Pike's Sandstones:
Small, 3x1¼x1¼, weight about 1 ℔, ₩ ℔..... .05
Medium, 3 to 8½x2x1¼, weight about 1½ ℔, ₩ ℔..... .05
Large, 8¼ to 9x2½x2, weight about 2 ℔, ₩ ℔..... .05
Small table, 9 to 9¼x2¾x2, weight about 4 ℔, ₩ ℔..... .08
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ ℔ .30
No. 2, " ₩ ℔..... .40
Round Edge Slips, No 1, ₩ ℔. 2.00
Discounts 33⅓&.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per ℔ 70c..... 40%
Boston "Phœnix" Red Sheet, per ℔..... 50c. net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N.Y. B. & P. Co., 1846-Para.... 40&10%
N.Y.B. & P.Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....₩ ℔ 80c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ ℔
Russian Packing..... 14c ₩ ℔
Italian Packing.....13c@14c ₩ ℔
Cotton Packing.....15c@17c ₩ ℔
Jute.....7c@8c ₩ ℔

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ poz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $6.00.....20&10%
Victor, ₩ doz $15.00.....20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro. 3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters'₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....20%
Miscellaneous.....25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & I. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....30%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....30%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $36.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 ℔ $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt.. ₩ gr $15@$15.50
Round or Sq., 3 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.00, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale, 10%
E. S. Lee & Co.'s Pruning Tools. 40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz. 25%
Levin Pruner, No. 2, $12.00 ₩ doz. 25%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@50%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1 Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No. 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No 128, Fig. 510, 3 in. Lift Pump.....$7.00
No 131, Fig. 510, 3½ in. Lift Pump.....$8.00
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 494, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 512, Cyclone Tank Force Pump.....$ 7 00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320, Fig. 492, Bucket Spray Pump.....$5.50
No. 330, Fig 547, Knapsack Spray Pump.....$10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz..90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $3.50@3.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring and Check.....50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ ℔ 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾ Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers: Small. Med. Large Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 2. net ₩ doz. $5.30
Gibbs' Hustler, No. 0. net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4	
Per doz	$1.40	1.50	1.80	2.25	30%

Boys' rakes.....₩ doz. $3.50
Ladies' rakes, ₩ doz., No. 1, $3.00; No. 2, $2.50. } 25%

Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth. " $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to $.....net
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis Keil & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....50@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ ℔ less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ ℔ 7¾c
Manilla, ⅜.....₩ ℔ 8¼c
Manilla, ¼ and 5-16.....₩ ℔ 8¾c
Sisal, 7-16 and larger.....₩ ℔ 5½c
Sisal, ⅜.....₩ ℔ 6¼c
Sisal, ¼ and 5-16.....₩ ℔ 6¾c
Sisal Lath Yarn, medium ₩ ℔ 5½c
Cotton Rope.....₩ ℔ 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ ℔ 7 c
Manila.....⅜in ₩ ℔ 7½c
Manila, ¼ and 5-16 in ₩ ℔ 8 c
Manila Hay Rope... ₩ ℔ 8 c
Sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal.....⅜ in ₩ ℔ 6 c
Sisal...¼ and 5-16 in ₩ ℔ 5½c
Sisal, Hay Rope..... ₩ ℔ 5½c
Sisal, Med. L'the Y'rn ₩ ℔ 5 c
1½% for cash in 10 days.
Cotton Rope.....₩ ℔ 11@13c net
Jute Rope.....₩ ℔ 5@6c net

Rules—
Boxwood.....60%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 ℔ $3.50@$3.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England.....5c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....20%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set. ..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net.....$8.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ ℔.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—
Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—
Common.....₩ ℔ 10@11 c
Jute, good quality.....₩ ℔ 11c
White Cotton Braided, fair. ₩ ℔ 25c
Common Russia Sash.....₩ ℔ 16c
Patent Russia Sash.....₩ ℔ 15c
Cable Laid Italian Sash ₩ ℔ 23½c@25c
India Cable Laid Sash.....₩ ℔ 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....25%
B Quality, White.....40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26¼c @ 28c
Sylvan Spring
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00..10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton....27c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....56c

Sash Fasteners, Holders, &c.—
Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances....25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co....50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security....70%

Sash Weights—
Solid Eyes....℔ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40&10%

Saws—
Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....20%
Gang, Drag & Mill....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated....30c. ℔ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....40%
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%

HACK SAWS—
Griffin's complete....45%
Griffin's Hack Saw and Blades....45%
Chatillon....30%
Butchers....25%
Star Butcher....25%

Saw Frames—
Star Hack....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished....℔ doz., $2.00 40%
C. E. Jennings & Co....20%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%

Saw Sets—
Stillman's Lever, Nos. 40, 45....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $38.00; No. 5, $31.00....40&20%
Perfect Saw Jointer....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Automatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....20&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets. ℔ doz. $6.00
Hart's Pat. Lever....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00
No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....℔ doz. $12.00
Lloyd Acme....℔ doz., $15.00, 40&10%
Leopold....℔ doz., $15.00, 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%

Scale Beams—
Scale Beams, List Jan. 12, '93..50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....℔ doz., $4.00, 10%
Box, 2 Handle....℔ doz., $6.00, 10%
Defiance Box & Ship....20&10%
Foot....50&10@60%
Ship Common....℔ doz., $3.50 net
Ship, R. I. Tool. Co....10%

Screens—
Phillips:
Bonanza Screens....60%
Perfection Screens....60%
Extension....50&10&5%
Flyer....50&10%
Window Screen Frames....60&5%

Screen Doors—
Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30&35%
Standard Oil....35&40%

Screw Drivers—
C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....50&5%
Disston's Pat. Excelsior....50&5%
Buck Bros....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ℔ doz 33⅓&2%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....℔ doz., 70@90c
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12, 20&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ℔ doz....90c
Beauty, ℔ doz....$1.00 } 50%
Wm. Johnson's:
131 A....70&10%
135½ Extra....70%
138 Ebonized Handle....70%
141½....75%
142 Ebonized Handle....70%

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron....85%
Round Head Iron....75%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....85%
Round Head Brass....75%
Flat Head Bronze....80%
Round Head Bronze....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws....87½%

MACHINE—
Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%

BENCH, HAND, ETC.—
Bench, Iron....70%
Bench, Wood, Beech. ℔ doz $2.00@2.25
Hand, Wood....85%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....80&5%
Bed....20&25%
Hand Rail, Sargent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....70%
Jack Screws, Millers Falls, Roller Bearing....50&10%
Jack Screws, Millers Falls, without Roller Bearing....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%

Scroll Saws—
C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw Blades....35%

Scythes—
Grain....40&5@40&10%
Grass....40&10%

Seeders—
Enterprise Raisin....25%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned....30&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60% Japanned....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75% Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Hatfield Sheaves....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s....60&10&
Sargent's list....60&10%
Reading list....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bens, at factory....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ D 7½c
Perkins Improved Snow....℔ D 4c
MULE—
Add $1 ℔ keg to above prices.
OX, WROUGHT—
Ton lots....℔ D 9c
1000 D lots....℔ D 9½c
500 D lots....℔ D 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c....30%
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods. 20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....30@30&7½%
Hussey, Binns & Co....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&30%
Snow, D Handle, ℔ doz., $7.25 25&30%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan. 1896....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%

Shovels and Tongs—
Iron Head....65@65&5%
Brass Head....65@65&5%

Sifters, Flour—
Hunters....℔ doz. $2.00

Slaw Cutters—
Enterprise....25%

Slicers—
Enterprise Vegetable....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd, 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps

Spoke haves—
Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....20%
Millers Falls....25%
Wm. Johnson's:
Wood, Best....30%
Wood, 2nd Quality....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp, Co's list. 70&10%
Solid Table and Tea, Cen. Stamp, Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co. 40 &15&10&10
L. Boardman & Son....60&12½%
MISCELLANEOUS—
German Silver....50@50&5%
German Silver, Hall & Elton. 50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron, Nickel-Plated } 30%
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...60&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....30@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....80&25&10%
Extra Heavy....80%
Hooks and Staples....80&25&10%
Extra Heavy....80%
Hasps and Staples....80&25&10%
Extra Heavy....80%
Staples on Plates....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....30@25%
Reece's New Screw Plates....25%
Reversible Ratchet....30%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American....66⅔%
Steel....66⅔%
Swedes, S. S....66⅔%
Swedes, Lanc....62½%
Leathered....80½%
American Cut Tacks....62½%
Swedes Iron Tacks:
S. S....62½%
Lanc....57½%
Upholsterers' Tacks:
S. S....66⅔%
Lanc....62½%
Gimp Tacks:
S. S....66⅔%
Lanc....62½%
Lace Tacks:
S. S....6 ½%
Lanc....57½%
Trimmers' Tacks:
S. S....5 %
Lanc....50%
Looking Glass Tacks....33⅓%
Picture Frame Points....33⅓%
Basket Tacks....62½%
Berry Box Tacks....62½%

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Trunk Tacks:
S. S ..... 66⅔&5%
Lanc ..... 62½&5%
Miners' Tacks, S. S ..... 66⅔&5%
Bill Posters' and Railroad Tacks:
S. S ..... 66⅔&5%
Lanc ..... 62½&5%
Brush Tacks and Nails:
S. S 55%
Lanc ..... 5 %
Hungarian Nails ..... 57½&5%
Common and Patent Brads 50%
Finishing Nails ..... 57½&5%
Trunk and Clout Nails ..... 57½&5%
Basket Nails 50%
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓&2% cash.
F. H. Cobbler Nails:
4¼-8in., and shorter, ₱ 100 lb $20.60
⅝ in. and longer, ₱ 100 lb $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

No. 18 & 19.	17 & heavier.
2 8&2¼-8 in. $36 00	$41.20
3-8&3¼-8 in. 51.50	35.15
4-8& longer, 41 20	33.45

MISCELLANEOUS—
Double Point ..... 85&10@85&10&10%
Wire Carpet Nails. 60&10@60&10&10%
Bill Nye Brad Box $4.00
Bonnie Blue ..... ₱ box $1.50
Claw Handle Carpet ..... ₱ gr $4.00
Home Tacks. No. 50, ₱ case (12 cartons), $36.00; No. 100, ₱ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₱ case (12 cartons), $30.00; No. 400, ₱ case (12 cartons), $60.00. 5&2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks. 66⅔&33⅓&2%
Miniature Keg Tacks. 66⅔&33⅓&2%
Upholsterers' Nails ..... 5&10%

Tack Pullers—
Columbia, No. 1, per doz., net $1
" " 2, " " ... 1.50

Taps—
American Screw Co.
Machine Screw 60%
Hand and Machine ..... 50&10%
Pipe 80%
Blacksmiths' Taper ..... 50&10%

Thermometers—
Dairy, Floating all glass ₱ doz. $1.50
Dairy, Zinc Flanged ..... 80&10%
Fancy 70%
Japanned Case ..... 80&10%
Combination with Barometer ₱ gro $20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) .20&2%
Snips, J. Mallinson & Co ..... 33⅓&5%
Snips—"Clauss" 30%

Tinware—
Stamped, Japanned and Pieced, List Jan. 20, 1887 70&10@70&10&10%

Trammel Points—
Cook's 25%
Rule ..... 20&10%
Stanley's ..... 30&10%
Tower & Lyon ..... 33⅓&5%
Jennings "Eureka" 20%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track $3.25
Comb., Car., Wood Track $3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car. Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps. ₱ ft ..... .09
Single Rail Steel Track with clamps. ₱ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1.50
Walker Fork, each $1.15
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each ... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₱ doz $2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₱ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₱ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₱ doz $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₱ doz ... $1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₱ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz $2.00
Floor Hooks, ¾ in. ₱ doz ..... .65
Hanging Hooks for Double Steel Track, ₱ doz ..... .60
Hanging Hooks for Single Steel Track, ₱ doz ..... .60
Hanging Hooks for Wood Track, 10 in. ₱ doz ..... .45
Hanging Hooks for Wood Track, 14 in., ₱ doz ..... .55
Wrought Rafter Brackets, ₱ doz ..... .45
Malleable Rafter Brackets, ₱ doz ..... .45
Rope Hitch ₱ doz $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida:
Newhouse ..... 40&10%
Hawley & Norton ..... 70&5%
Victor ..... 70&10&5%
All Steel 75%
Star ..... 50&10%
Blake's Patent ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₱ doz hole 30@10%
S.T ..... ₱ doz $6.00, 20%
Mouse, Round Wire. ₱ doz $1.50, 20%
Mouse, Cage, Wire. ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $2.50, 15%
Mouse, Bonanza ..... ₱ gr $10.00
Mouse, Ideal ..... ₱ gr $9.00
Mouse, Delusion ..... 33⅓&5%
Rat Slayer ..... ₱ gr $9.50
Rat, Keystone ..... ₱ gr $10.00
Rat, Exterminator ..... ₱ gr $12.00
Rat, Decoy ..... ₱ gr $10.00, 15$
Hotchkiss:
Metallic Mouse 50%
Improved Rat 40%
New Rat 40%
Schuyler:
Mouse, ₱ gross $18.00 ..... 50%
Rat, ₱ gross $30.00 ..... 50%
Household ..... ₱ gr $10.00
Erie Rat 50%
FLY—
Balloon ..... ₱ gr. $13.50
Electric Rod ..... ₱ gr. $16.50
Globe ..... ₱ gr. $13.50
Harper ..... ₱ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering. 25%
Peace's Plastering 25%
W. & McP. Plastering. 25%
Richardson 25%
Rose's Brick ..... 15@20%
Brade's Brick 30%
Sargent's Garden, No. 1 ..... 70%
Sargent's Garden, No. 15 ..... 50%
Wm. Johnson's:
Brick and Plastering 40%
Brick No. 100 Extra 30%
Pointing 40%
Corner 40%

Vises—
solid Box ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand ..... 33⅓&5%
Stephens' ..... 20@10%
Holland's ..... 40@45%
Parker's ..... 20@25%
Wilson' 55%
Alligator 50%
Howard's 40%
Massey's Quick Ation ..... 20@ 25%
Bonney's ..... 40&10%
Millers Falls ..... 40@40&10%
Trenton ..... 40&5@40&10%
Merrill's ..... 15@20%
Sargent's 50%
Backus and Union 40%
Preatiss' ..... 20@25%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench ..... 25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15.00 .... 40&10%
Stearn's 40%
Stearn's Silent Saw Vises .... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₱ gross. $2.50 to $12.00
Rattan Drop Tops ₱ doz. 50c to $1.50
Rattan Straight ₱ doz. 80c to 3.00
Rattan Fancy Mounted ₱ doz. $1.50 to $6.00
Stocked Javas ₱ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₱ doz. $4.00 to $7.50
"True Grip" Raw Hide ₱ doz. $6.00 to $12.00
Whalebone ... ₱ doz. 8.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co 40%
Clayton's ..... 25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%

Market:
Brt. & Ann., Nos. 0 to 18 ..... 72½&5%
Cop'd, Nos. 0 to 18 ..... 70%
Galv., Nos. 0 to 18 ..... 62½&5%
Tin'd, Tinned list Nos. 0 to 18. 62½&5%
Tinned Broom Wire ....5½c net
Galvanized Fence 65%
Malin's Annealed and Tinned on Spools ..... 60&5%
Malin's Brass and Copper on Spools ..... 50&5%
Annealed Fence, Nos. 8 and 9 .... 75%
Annealed Grape, Nos. 10 to 14 .... 75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass 55%
Brass, list Jan. 18, 1884 ..... 20%
Copper, list Jan. 18, 1884 ..... 35%
Barb Fence ..... See Trade Report
Cast Steel Wire 50%
Stub's Steel Wire ..... $6.00 to £ 30%
Steel Music Wire, Nos. 12 to 30 55c ₱
Tate's Wire Picture Cord Braided and Twisted ..... 30&10%
Picture Wire ..... New list 30&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₱ 100 sq. ft., $1.45
Galvanized Wire Netting .... 30&10%
Brass Cloth ..... 40@55%
Steel Bolting Wire Cloth ..... 30@55

Wire Rope—
List, May 1, 1886.
Iron ..... 33⅓&2½&5%
Iron, Galvanized ..... 40&2½&5%
Cast-steel ..... 40&2½&5%

Wire Rope Clips—
Crosby 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy 50%
Alligator ..... 40&10%
Hercules 70%
American Adjustable 40%
Armstrong's 40%
Baxter's Adjustable "S" 60%
Baxter's Diagonal 60%
Coes' Genuine 50%
Coes' "Mechanics'" ..... 50&10&5%
Girard Standard 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought ..... 80&5%
Eagle Pipe 50%
Taylor Pipe and Nut 40%
Stillson Pipe 45%
Trimo Pipe ..... 50&10%
Wakefield Pipe and Nut 40%
Bemis & Call's:
Patent Combination Black. 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern ..... 30&10%
Cylinder Gas Pipe ..... 45&5%
No. 3 Pipe 55%
Aiken's Pocket (Bright) $6.00 ..... 60%
Boardman's 30%
Always Ready ..... 33⅓&5%
Champion Carriage 40%
Donohue's Engineer 35%
Trimo Combination 40%
Cincinnati Tool Co:
Bit ..... 35&10%
Standard Brace ..... 25&10%
J. H. Williams 25%
Lowell Ratchet ..... 33⅓&5%
Lowell Socket Bridge 30%
Lowell Lag Screw 25%
Yankee 45%
Expert Bicycle ..... 33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30, Erie, 11 inch	27.00
No. 55, King, 11 inch	33.28
No. 45, King, 10x1¾ inch	26.00
No. 65, King, 11x2 inch	32.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No. 3, Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime, 11 inch	23 00
No. 66, Columbia, 11x1¾ inch ..	27.00
No. 99, Pittsburg, 11x2 inch	31.00
No. 33, Nonpareil, 11x1¾ inch ..	28.00
No. 44, Nonpareil, 11x2 inch	32.00

Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches 21.00
No. 11 Rolls, 11x1¾ inches 25.00
No. 12 Rolls, 12x1¾ inches 29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₱ gal. 56c
Linseed. City, Boiled, " ₱ gal. 59c
Out of Town on Spot ..... ₱ gal. 56c
Calcutta, Raw, in bbls ..... ₱ gal. 56c
Lard ..... 6½@6 85

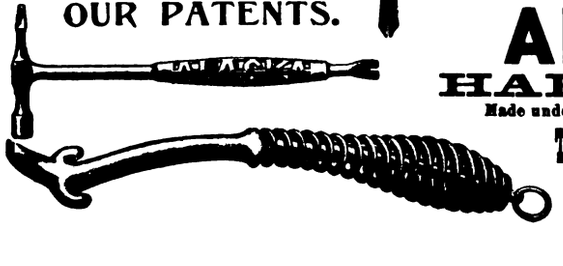
Paints and Colors—
Barytes, Prime White. ₱ ton, $14.00@$17 00
Barytes, Foreign Floated. ₱ ton, $17.00@$18 00
Barytes, Domestic Floated, ₱ ton, $22.00@$23 00
Barytes, Off Color, ₱ ton, $10.00@$13.00
White Lead, American, Dry. ₱ lb 5 @5½c
White Lead, American, in Oil, ₱ lb ..... 5 @5½c
White Lead, English, in Oil, ₱ lb 5½@7 c
Litharge, American Powdered, ₱ lb ..... 4½@4¾c
Litharge, English Flake, ₱ lb 8¾@9 c
Litharge, Glassmakers', ₱ lb 5½@6 c
Zinc, American, Extra Dry, ₱ lb 3½@4¼c

Putty—
Putty in Bulk ..... $1.45@$1.75
Putty in Bladders ..... $1.65@$2.00
Putty in Tins ..... $2.00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₱ gal 33c

Colors in Oil—
Black Coach Japan ₱ lb .. 18½@20 c
Black Coach Japan in Oil ..... ₱ lb 12 @13 c
Black Drop ..... ₱ lb 7½@10 c
Black Lampblack, prime, ₱ lb 27½@33 c
Black Lampblack, medium ..... ₱ lb 15 @20 c
Black Lampblack, 2d quality ..... ₱ lb 18 @19
Black, Lampblack, low grade ..... ₱ lb 6½@10 c
Blue, Chinese ..... ₱ lb 35 @40 c
Blue, Prussian ..... ₱ lb 20 @40 c
Blue, Ultramarine .. ₱ lb 12 @16 c
Brown, Sienna, bur't ₱ lb 7 @10 c
Brown, Sienna, raw. ₱ lb 7 @10 c
Brown, Umber, bur't ₱ lb 7 @10 c
Brown, Umber, raw. ₱ lb 7 @10 c
Brown, Vandyke .... ₱ lb 7 @11 c
Green, Chrome ..... ₱ lb 8 @14 c
Green, Paris ..... ₱ lb 16 @18½c
Red, Indian ..... ₱ lb 12 @15 c
Red, Venetian ..... ₱ lb 4½@ 8 c
Yellow, Chrome ..... ₱ lb 13 @18 c
Yellow, Ocher, Fr'ch ₱ lb 4½ c

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ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.



DEALING IN THE ALASKA PAYS.

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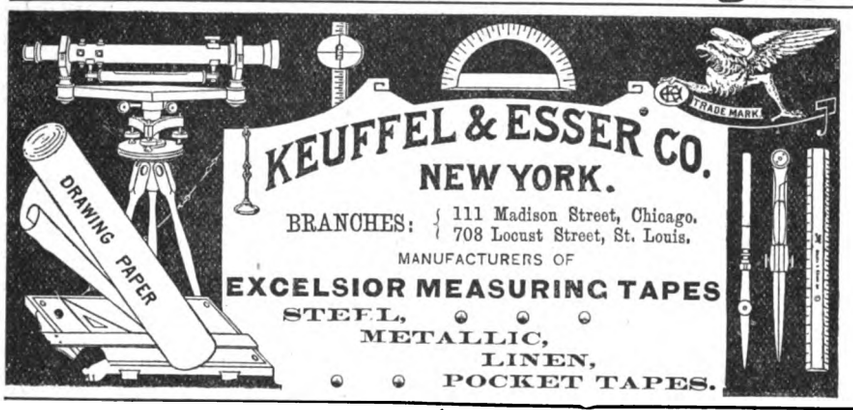
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Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.



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SPRING JOINT STEEL RULES.

K. & E.

Pocket Rules, plain and with springs.

These rules sell well wherever shown. Trade price list on application.

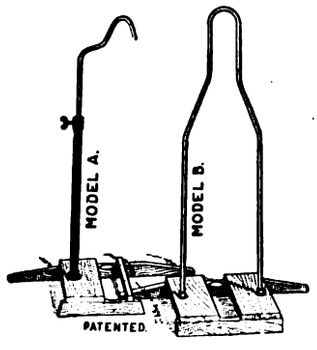
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—THE—

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME

—Price, $1.00 Each.—

FOR SALE BY LEADING BICYCLE DEALERS

—Manufactured by—

Wm. M. Justice & Co,

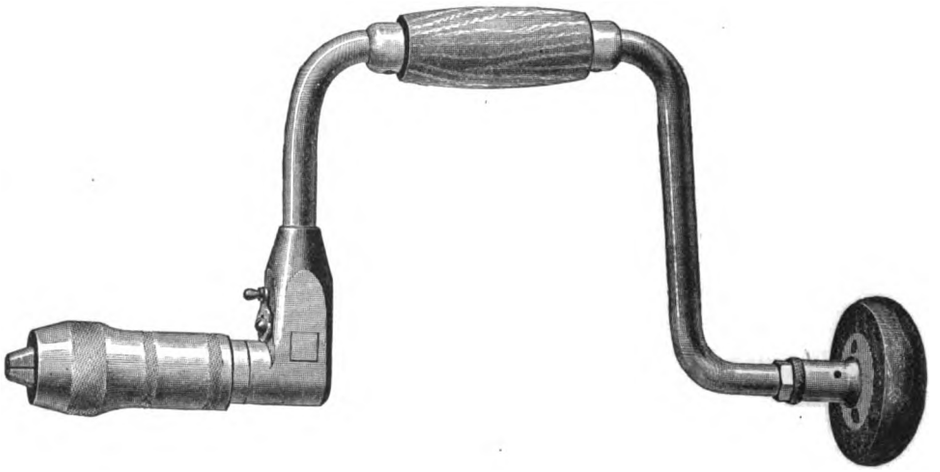
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Liberal Discount to the Trade.

The Best Ratchet Brace

—IS—

GOODELL'S.



Made in 8, 10, and 12 in. Sweeps,

The Strongest and Best.

BUY IT.

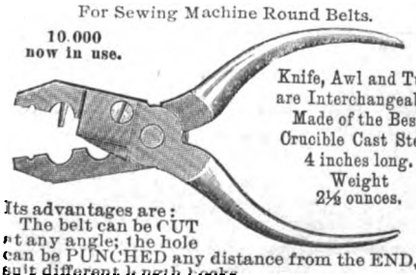
H. H. MAYHEW COMPANY,

Shelburne Falls, Mass., U. S. A.

ENTREKIN'S COMBINED CUTTER PUNCH AND PLYER.

For Sewing Machine Round Belts.

10,000 now in use.



Knife, Awl and Tube are Interchangeable. Made of the Best Crucible Cast Steel 4 inches long. Weight 2½ ounces.

Its advantages are: The belt can be CUT at any angle; the hole can be PUNCHED any distance from the END, to suit different length Hooks.

This well-known Punch is now made with either the Awl or Hollow Tube.

For sale by all first-class Hardware dealers.

Price to the Trade, $6.50 per Doz.

Sample Awl sent by mail on receipt of 55 cts., one half doz., $3.50 (Postal Note). Extra Knives 5c., Awl or Tube 9c. each.

S. W. ENTREKIN, Manufacturer & Patentee, Harrisburg, Pa.

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Annunciators.
Patrick & Carter Co, Philadelphia, Pa.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

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Forehand Arms Co., Worcester, Mass.
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J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
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Waterbury Brass Co., New York.

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Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

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American Axe & Tool Co., New York.

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Bruce & Cook, New York.

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Chas. Morrill, New York.

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Grand Rapids Cycle Co., Grand Rapids, Mich.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis, Minn.
Indiana Bicycle Co, Indianapolis, Ind.
Hunt Mfg. Co, Westboro, Mass.
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Moesberg Wrench Co, Attleboro, Mass.
New York Belting & Packing Co., Ltd., New York.
Pope Mfg. Co., Boston.
Premier Cycle Co, New York.
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse, Hazard & Co., Peoria, Ill.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Spaulding Machine Screw Co., Buffalo, N. Y.
Supplee Hardware Co., Philadelphia.
Prince Wells, Louisville, Ky.

Bicycle Step Ladders.
Bicycle Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Boiler Compound.
Vegetable Boiler Compound Co., Utica, N. Y.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

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Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co, Norwich, Ct.

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Divine Bros., Chadwicks, N. Y.

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Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

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Geuder & Paeschke Co., Milwaukee, Wis.

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Bissell Carpet Sweeper Co., Grand Rapids, Mich; New York.

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Gwinner Mfg Co., Hamilton, O.

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C. H. Angus, Albany, N. Y
S. Cheney & Son, Manlius, N. Y.

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Boston Belting Co., Boston.
Hugh Campbell Co., Boston.
New York Belting & Packing Co., Ltd., New York.

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Berry Sprinkler Co., Boston.

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C. T. Williamson Wire Novelty Co., Newark, N. J.

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Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Clauss Shear Co., Fremont, Ohio.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Elliott W. Langley, New York.
Millbury Razor Co., Millbury, Mass.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Desks.
Empire Desk Co., New York.

Dies.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham, New York.
Partrick & Carter Co, Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.
Sterling Emery Wheel Mfg. Co., Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence R. I.
Sickels, Sweet & Lyon, New York.

Filter, Water.
J. H. Seed, New York.
F. H. Weeks, Akron, Ohio.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Forks
Iowa Farming Tool Co., Fort Madison, Iowa.
Withington & Cooley Mfg. Co., Jackson, Mich.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Exley Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gears.
Boston Gear Works Boston.
T. F. Welch & Co., Boston.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
A. W. Dodd & Co., Gloucestre, Mass.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hangers, Eave Troughs.
John W. Bell & Co., Mercer, Pa.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co, Hamilton, O.
T. W. Houchin, New York.
Matthai, Ingram & Co., Baltimore, Md.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoes.
Iowa Farming Tool Co., Fort Madison, Iowa.
Withington & Cooley Mfg. Co., Jackson, Mich.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Menders.
C. E. Hudson & Co., Leominster, Mass.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.
Samuel C. Tatum Co., Cincinnati, Ohio.
White Mountain Freezer Co., Nashua, N. H.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Japanning.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Mossberg Wrench Co., Attleboro, Mass.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co, New York.

Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Blair Mfg. Co., Springfield, Mass.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Underhill, Clinch & Co., N. Y.
White, Van Glahn & Co., New York.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.
Withington & Cooley Mfg. Co, Jackson, Mich.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lawn Tools
Withington & Cooley Mfg. Co., Jackson, Mich.

Lead.
Bruce & Cook, New York.

Levels.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Boston Gear Works (Gears only), Boston.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metal Statuary.
Fred. F. Bischoff & Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cans.
Star Mfg. Co., Canton, Ohio.

Oilgas and Oil Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
Fred. F. Bischoff & Co., Chicago.

Packing.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

Planes.
Samuel I. Goodall Co., Philadelphia.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co, New York and Chicago.
White, Van Glahn & Co., New York.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Presses.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Bellevue Pump Co., Bellevue, Ia.
Comstock & Coonse Co., Indianapolis, Ind.
Deming Co., Salem, Ohio.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.
St. Joseph Pump Co., St. Joseph, Mo.

Punching and Shearing Presses.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

Raisin Seeders.
Geo. H. Mason & Co., Boston.

Rakes.
Ashtabula Tool Co., Ashtabula, O.
Gibbs Mfg. Co., Canton, O.
Iowa Farming Tool Co, Fort Madison, Iowa.
Underhill, Clinch & Co., N. Y.
Withington & Cooley Mfg. Co., Jackson, Mich.

Rat and Mouse Traps.
See Traps.

Refrigerators.
Columbia Refrigerator Co, Northville, Mich.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.
Fred. F. Bischoff & Co., Chicago.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd, New York.

Rubber Mats.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sample Holders.
Massey & Thompson, Monroe City, Mo.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sash Balances.
Richmond Safety Gate Co, Richmond, Ind.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
E. E. Brown & Co., Philadelphia, Pa.

Saws.
American Saw Co., Newton, N. J.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading Pa.

Scissors Sharpeners.
Eastman & Co., New York.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Drivers.
Tower & Lyon, New York.

Scythe Snaths.
Iowa Farming Tool Co., Fort Madison, Iowa.
Withington & Cooley Mfg. Co., Jackson, Mich.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Snow Guards.
Folsom Snow Guard Co., Boston.

Solder.
Bruce & Cook, New York.

Sootene,
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Boston Belting Co., Boston.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Sabin Machine Co., Montpelier, Vt.
T. F. Welch & Co., Boston.

Spring Hinges.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoneware.
F. H. Weeks, Akron, O.

Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.

Stove Pipe.
Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Keuffel & Esser Co., New York.
Lufkin Rule Co, Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Thill Coupling Spring.
Sabin Machine Co., Montpelier, Vt.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Garvin Machine Co., N. Y.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.
Ulrich Mfg. Co., Rock Falls, Ill.
L. & I. J. White Co., Buffalo, N. Y.
White, Van Glahn & Co., New York.
Withington & Cooley Mfg. Co, Jackson, Mich.

Torches.
Smith & Whittier, Boston.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.
G. L. Van Namee Mfg. Co., Gouverneur, N. Y.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Gibbs Mfg. Co., Canton, Ohio.
Charles Morrill, New York.

Washers.
Boston Belting Co., Boston.
Milton Mfg. Co., Milton, Pa.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

Watering Pots.
Matthai, Ingram & Co., Baltimore, Md.

Wheelbarrows.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Window Screens.
Edward Darby & Sons, Philadelphia.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
White, Van Glahn & Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Novelty Wire Goods Co, New Haven, Conn.
A. J. Phillips Co., Fenton, Mich.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Lathing
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Atlas Tack Corporation, Boston
Bruce & Cook, New York.

Wire Work.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wood Mantels.
Ironton Wood Mantel Co., Ironton, O.

Wrenches, Manufacturers.
American Saw Co., Trenton, N. J
Coes Wrench Co., Worcester Mass.
Gwinner Mfg. Co., Hamilton, O.
Samuel Hall's Son, New York.
Tower & Lyon, New York.
Spaulding Machine Screw Co. Buffalo, N. Y.

Wringers.
National Wringer Co., Canton, O

Wrought Butts.
Reading Hardware Co., Reading Pa.

Zinc.
Bruce & Cook, New York.

Unsolicited Testimony.

COPY OF LETTER.

SPRINGFIELD, OHIO, February 21, 1895.

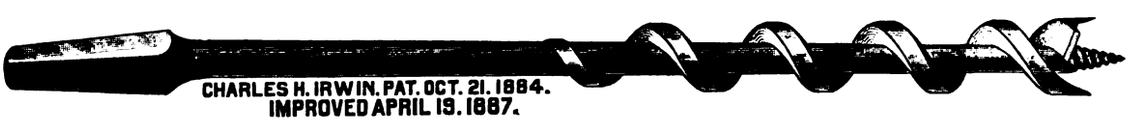
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Per Wiseman.



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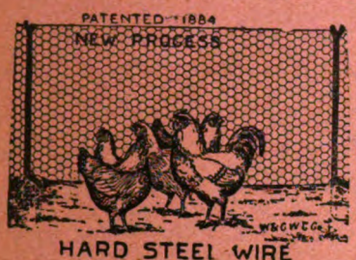
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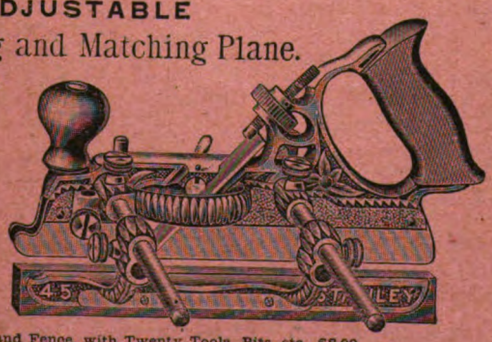
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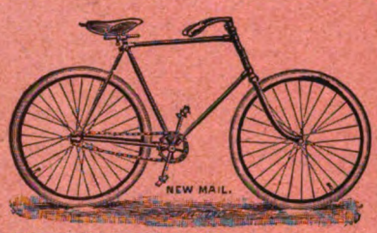
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HARDWARE EXCLUSIVELY.

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Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XI. No. 4. New York, May 25, 1895. $1.00 A YEAR.



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The famous Hanger of Doors. Send for his Biography to

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Send for samples and prices before you place your orders.

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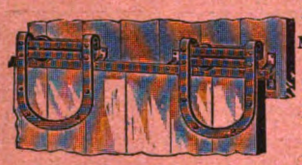
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Wire Straightened and Cut to length.

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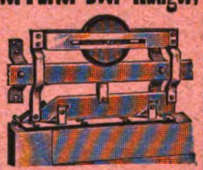


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MATERIAL THE BEST.
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Ease of Movement. Always in Order.

LANE'S Patent Noiseless Steel Parlor Door Hanger.

Hanger is made of steel throughout, including wheel except solid interior leather tread, causing to roll noiselessly.

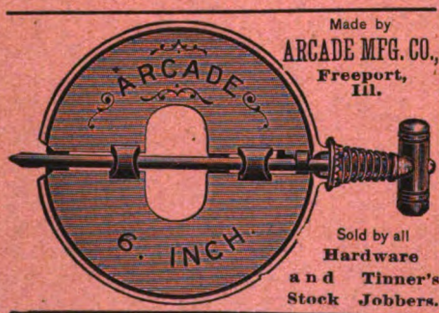


Single Steel Track Instead of Double Wood Rail.

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Sold by all Hardware and Tinner's Stock Jobbers.

NO MORE SCALE IN BOILERS!
—USE—
THE VEGETABLE BOILER COMPOUND

Save your Fuel,
Save your Boiler,
Save the Labor
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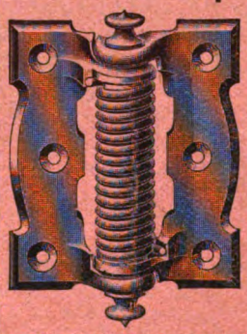
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Having no small or loose parts, they cannot get out of order.

They are reversible and can be used on either Right or Left Hand Doors.

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Yours truly,
W. S. ESTEY.

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Yours truly,
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ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

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This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

MILITARY, MINING AND BLASTING POWDER.

LAFLIN & RAND POWDER CO., - 29 Murray Street, New York City.

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In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

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A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

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Regular pattern and high velocity, with low pressure. Try it Load same as Black Powder. Directions on every wrapper.

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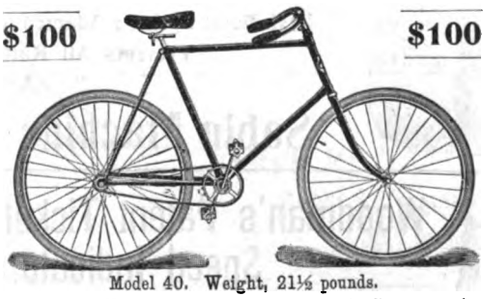
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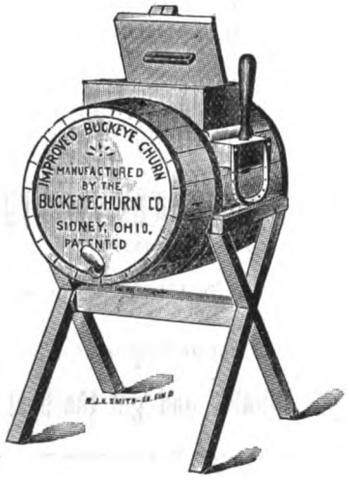
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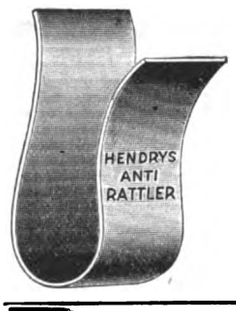
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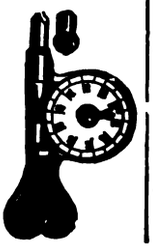
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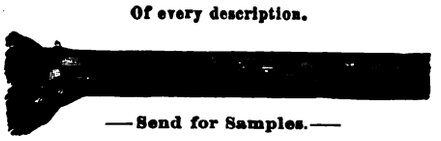
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to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

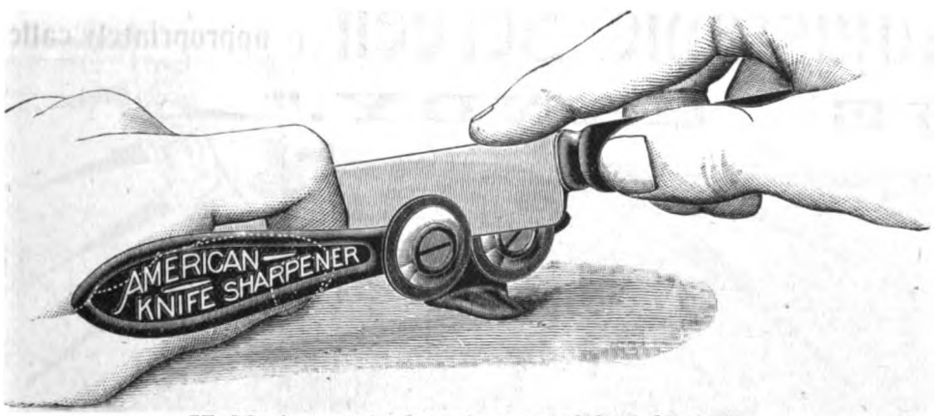
NO WASTE OF POWER.

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The American Knife and Scissors Sharpener



Half size cut showing position in use.



Made on Honor for Permanent Sale.

We can make any Knife Shave!

So can you!!

Try it!!!

Needs a little practice, so does a "Steel."

Sharpens Scissors too! Does it Perfect!

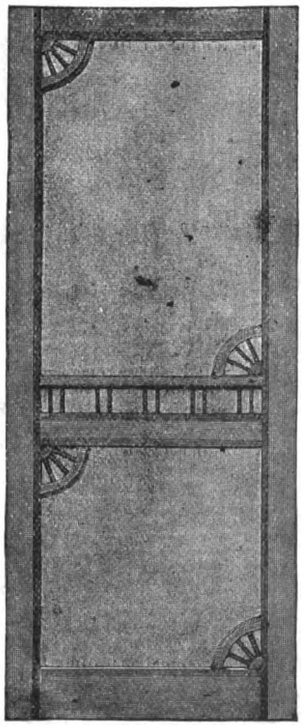
Retails for 25cts.
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$21.00 per gross.

Express Paid if Cash With Order.

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Manufacturers of Novelties,
ATTLEBORO, MASS.

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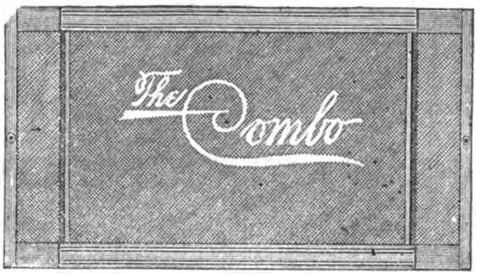
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Manufacturers,

Screen Doors, Adjustable Window Screens, Window Screen Wire Cloth, Poultry Netting, and Galvanized Wire Cloth.

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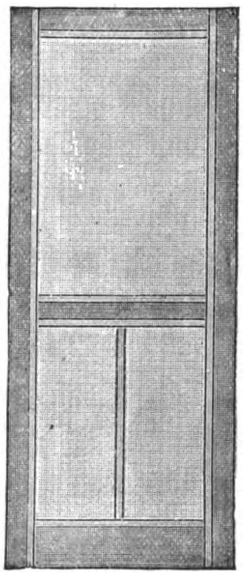


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The only adjustable Window Screen that has side wings made entirely of wire cloth. Largest adjustment made in any Adjustable Window Screen.

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EDWARD DARBY & SONS,

Mention HARDWARE. 233 and 235 Arch Street, PHILADELPHIA, PA

On account of Free Fly Coinage,

Phillips Screens

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

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POSITIVE SECURITY

Against sneak thievery by the use of

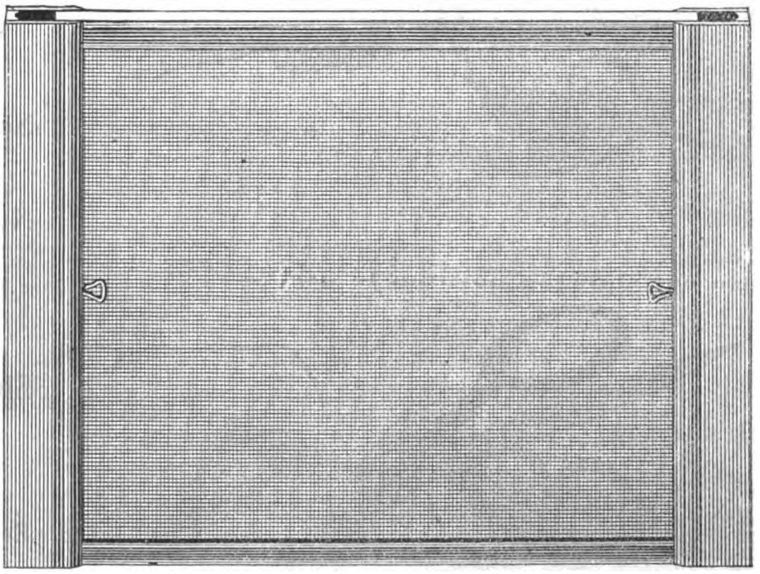
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Sample by mail 75 cents. Illustrated circular and price list sent on application.

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The Best Adjustable Screen is appropriately called

THE "HANDY."



MADE IN EIGHT SIZES.

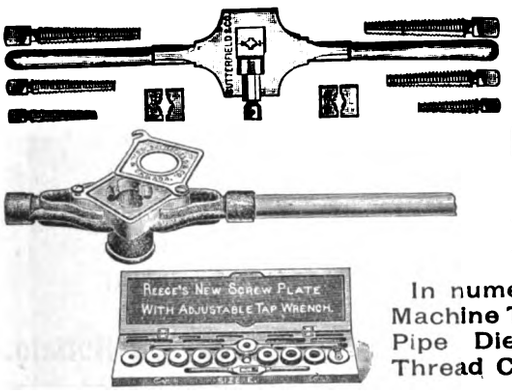
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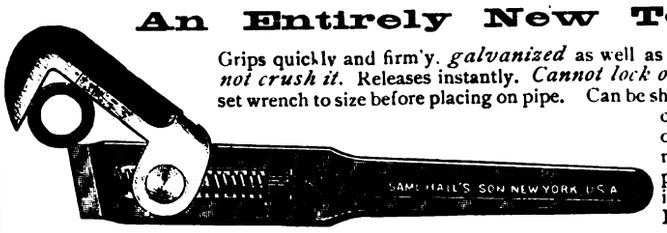
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RESERVOIR VASES.

IT WILL PAY YOU TO HANDLE THEM.

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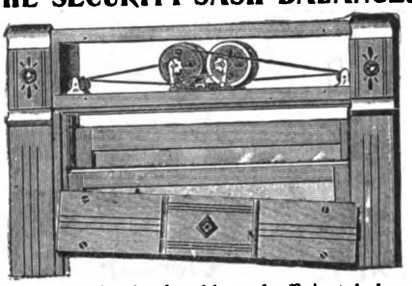
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You have no risk on the quality. We make only the best.



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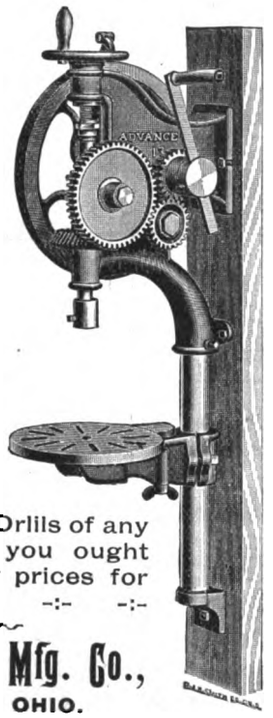
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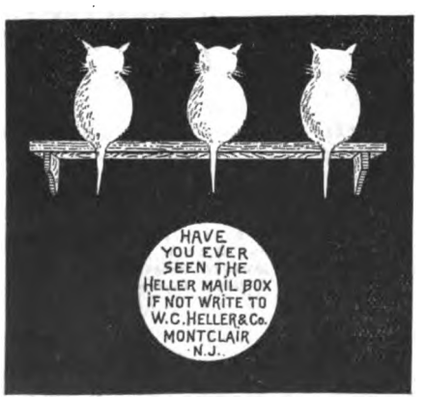
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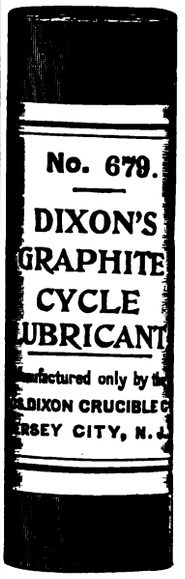
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We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

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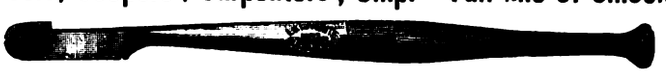
THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

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LEONARD VIENNA AUSTRIA

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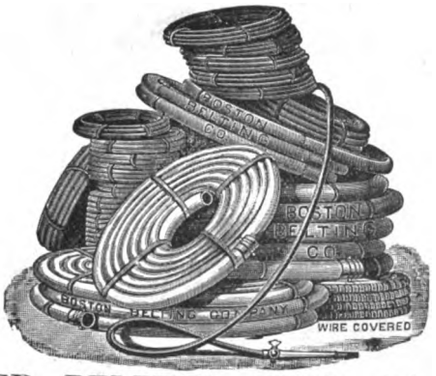
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MECHANICAL RUBBER GOODS.

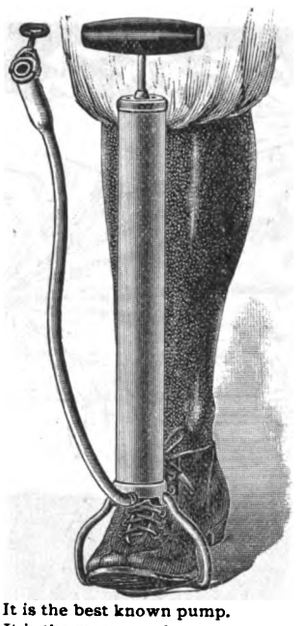


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It gives satisfaction to the user.
All parts broken or defective, returned, replaced free.
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It is fitted with our patent Universal Coupling.
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The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

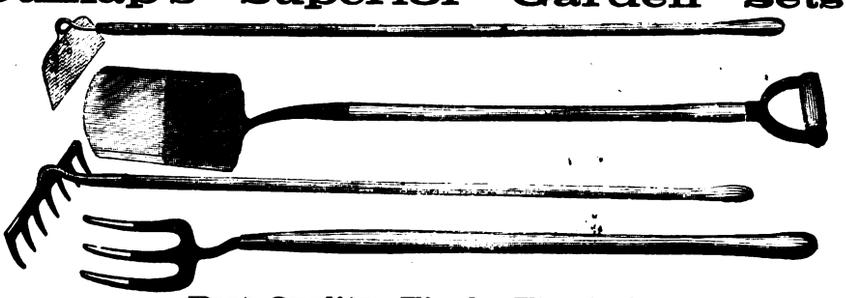
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85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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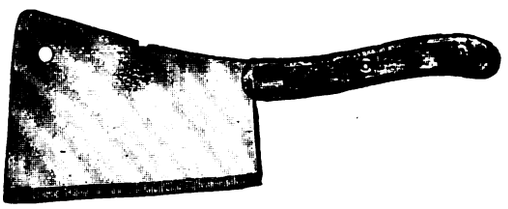
MANUFACTURERS OF

SCALES

—AND—

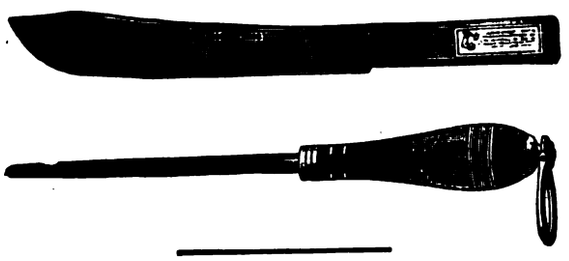
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

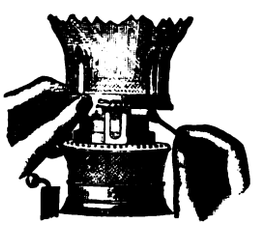
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

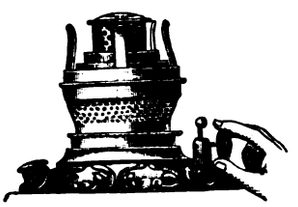
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

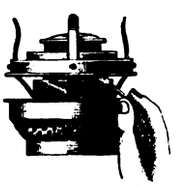
Bradley & Hubbard Mfg. Co.,

NEW YORK,	BOSTON,	PHILADELPHIA,	CHICAGO,
26 Park Place.	160 Congress St.	Room 710, Betz Bldg.	204 Masonic Temple.

Main Office and Factories, Meriden, Conn.



Ratchet Wick-Raising Movement.



Patent Lighting Lift.

Shows Lighting Without Removing Shade or Chimney.

THE "ROYAL"

Has the *only* chimney lift which will stay in position while lighting the lamp.

It is the only lamp with the Ratchet Attachment to raise and lower the Draw Bar giving perfect control of the wick. It gives more light for the wick exposure and consumption of oil than any other lamp taking same size wick.



No. 866 Royal Lamp.

THE "BANNER" OIL STOVE.



Banner Stove, Height, 26 inches.

Will heat a room 15 to 20 feet square. No chimney. No smoke. No odor. Get one for your Bed, Bath and Smoking Room, Library, Nursery, Office or Conservatory.

SOLE MAKERS,

The Plume & Atwood M'f'g Co.

New York City Chicago,. Ill

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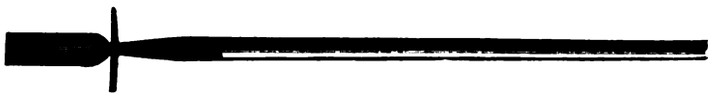
Withington & Cooley Manufacturing Co.,

JACKSON, MICH., U. S. A.

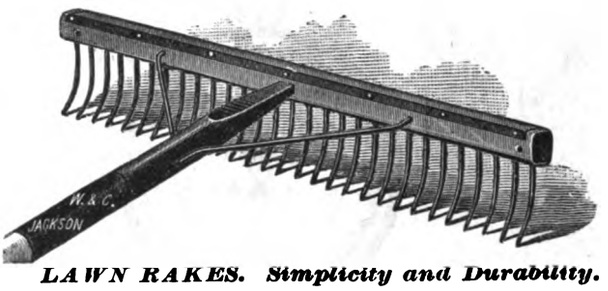
The Season is here. **« LAWN · TOOLS »** We Have Them.



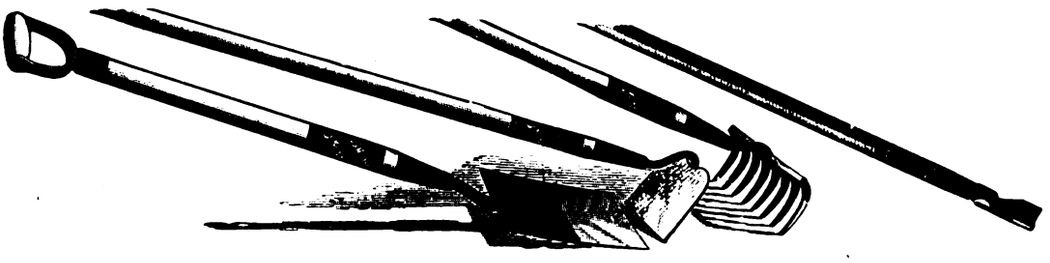
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THISTLE OR WEED CUTTERS.



LAWN RAKES. Simplicity and Durability.



FLORAL SETS. Four Tools; not toys, but made in a first-class manner. Serviceable, of best material. Hoe and spade have forged steel blades, brightly polished. Rake is of malleable iron, latest pattern, and polished. Dandelion Spud is needed in every lawn or grass plat.



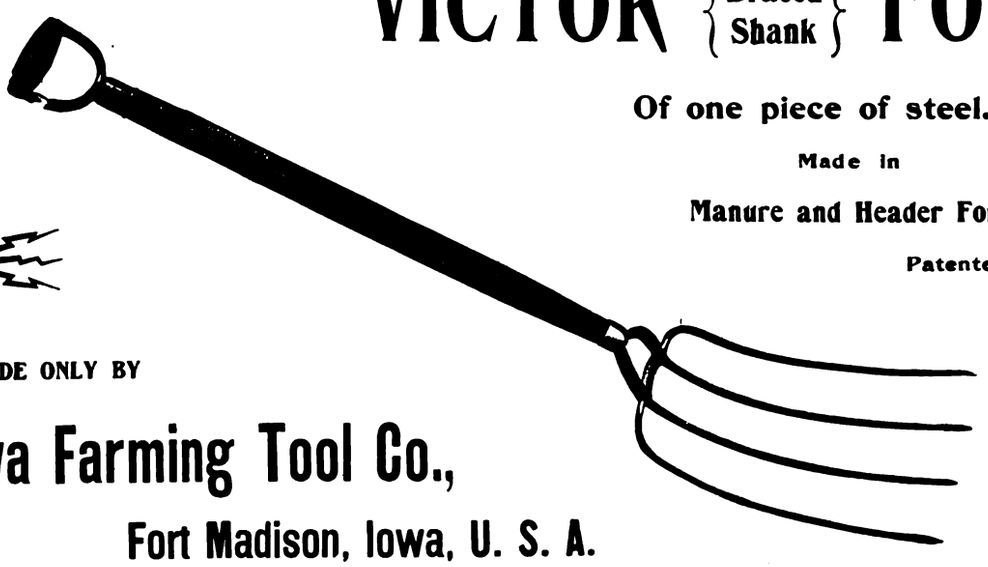
TURF EDGERS.

Also a full line of Farm and Garden Tools. Send for Catalogue and Prices.

The Forks which are attracting so much attention

THE

VICTOR {Braced / Shank} FORKS



Of one piece of steel.

Made in

Manure and Header Fork Patterns.

Patented.

MADE ONLY BY

The Iowa Farming Tool Co.,

Fort Madison, Iowa, U. S. A.

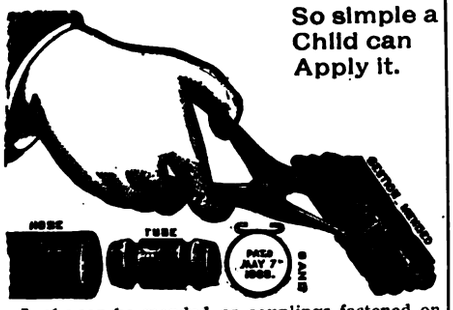
Manufacturers for more than 40 years for home and foreign trade of

Forks, Hoes, Rakes, Scythe Snaths, Grain Cradles, &c., &c.

Illustrated Catalogue on Application.

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Garden Hose . .
Mender . . . .



Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in hese goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

CLIMAX WATCH



FOR

$2.00

American Lantern Pinion Stem Wind ¼ Plate Gilt and Nickel Plain and Fancy Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

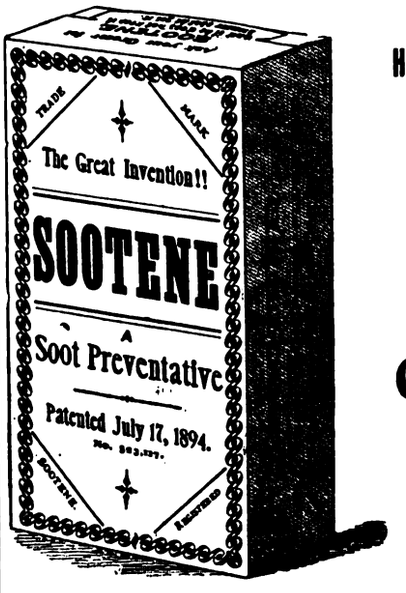
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Manufacturers of **SAWS** Of Every.. Description

Get the Best
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SOOTENE SERMON No. 4.

HOT, HOTTER, HOTTEST.

Yes, but that is the way a woman wants her fire in many instances. She can have such a fire if she will sprinkle a spoonful of ***SOOTENE*** over the burning coals, which will then glow with intenser heat. The sale of ***SOOTENE*** is rapidly extending and will soon be found in every kitchen. It is a

GROCER'S INVENTION.

Retailers who are not already familiar with ***SOOTENE*** should write for particulars to

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The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

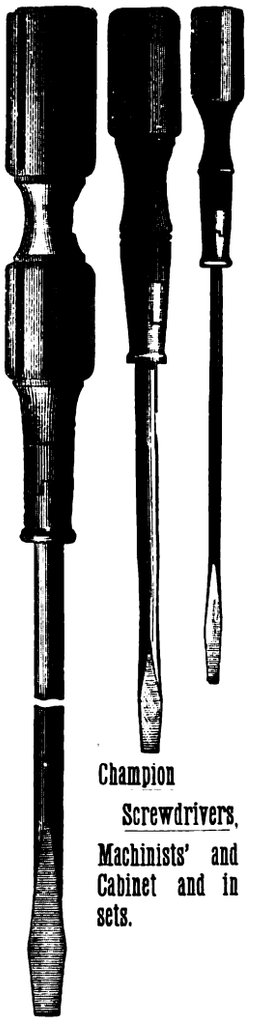
Models, Special Tools

And the manufacture of all kinds of

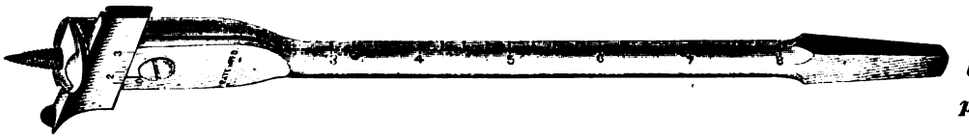
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

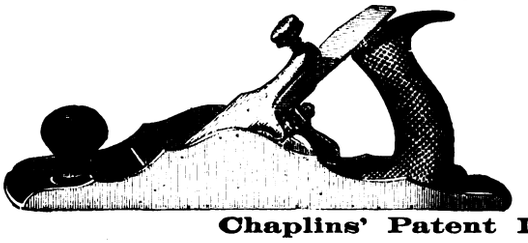


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

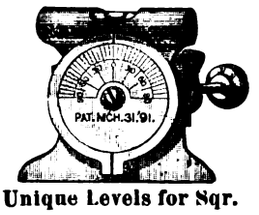
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





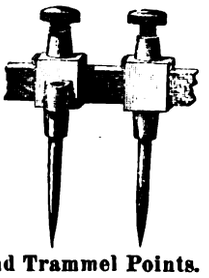
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.





Plumb Bobs and Trammel Points.

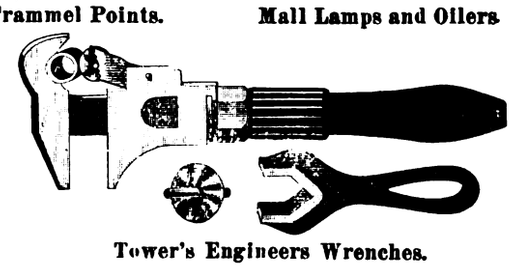




Mall Lamps and Oilers



Stephen's Pat. Vises.



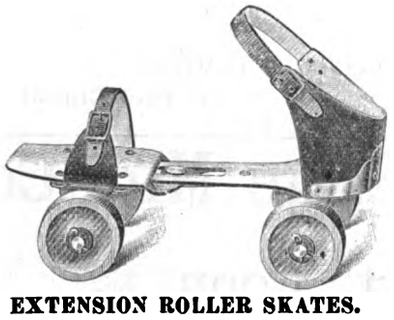
Tower's Engineers Wrenches.

TOWER & LYON,

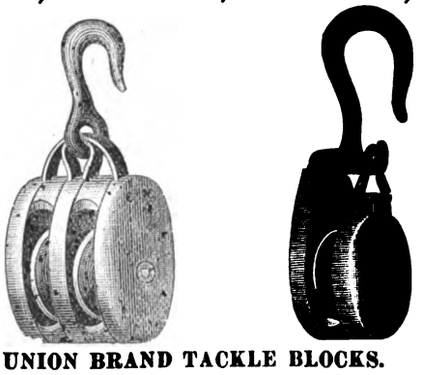
95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers **Padlocks, Police Goods, Etc.**

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



EXTENSION ROLLER SKATES.



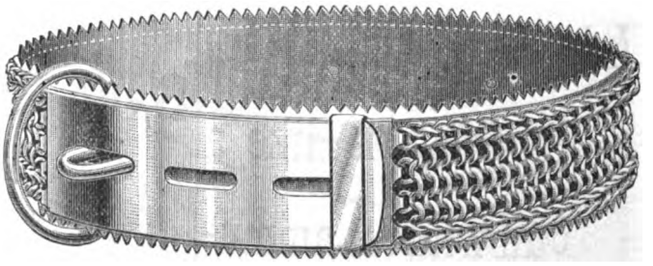
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

UNION HARDWARE CO.,

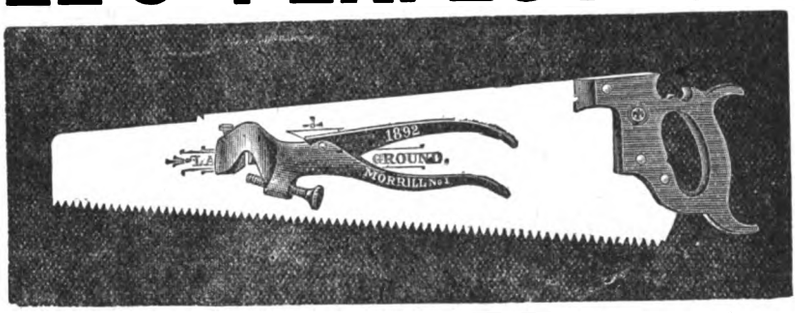
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New York Office in charge of TOWER & LYON.

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Universal
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AND WAGON



STOPS
Punches.
SEALERS
JACKS.

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The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	½–¾	¾–1	¾–1¼	1¼–2	2 –3
Round Iron	¼–¾	½–1	¾–1⅜	1¼–2⅝	2⅛–3⅛
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.



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ARCADE FILE WORKS.

ESTABLISHED 1842.

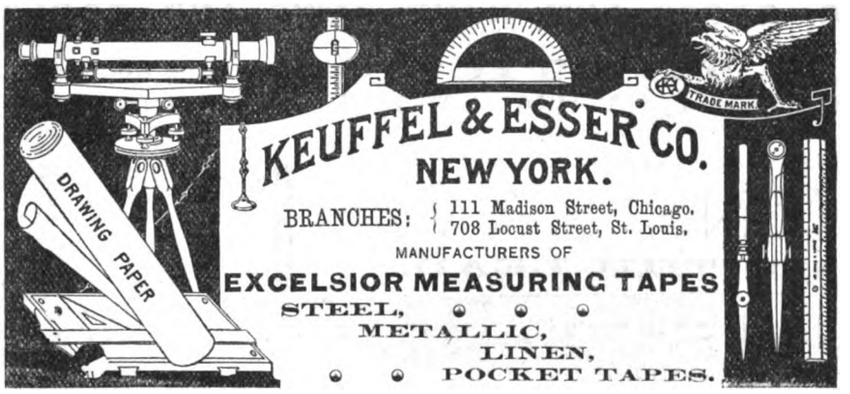
WARRANTED FILES AND RASPS.

EASTERN OFFICE, NEW YORK. FACTORY, ANDERSON, IND. WESTERN OFFICE, CHICAGO.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



K. & E.

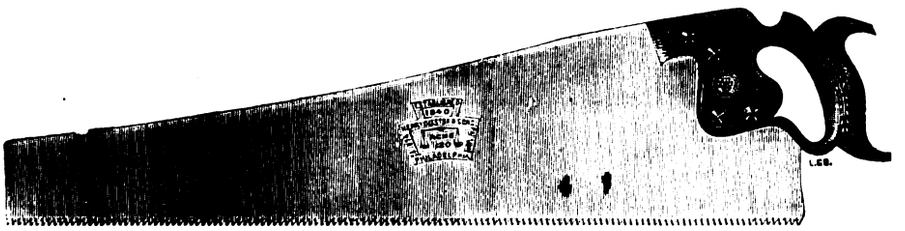
SPRING JOINT STEEL RULES.

K. & E.

Pocket Rules, plain and with springs.

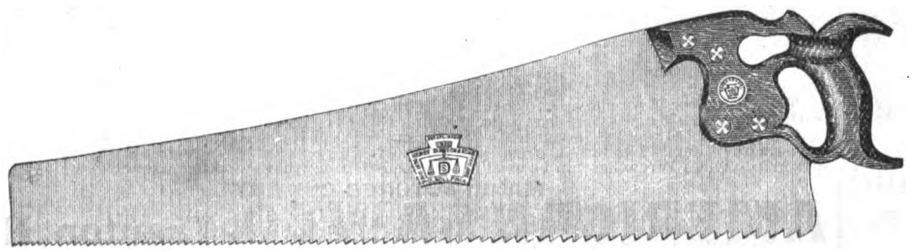
These rules sell well wherever shown. Trade price list on application.

SCALES, PLUMB-BOBS, THUMBTACKS, &c.

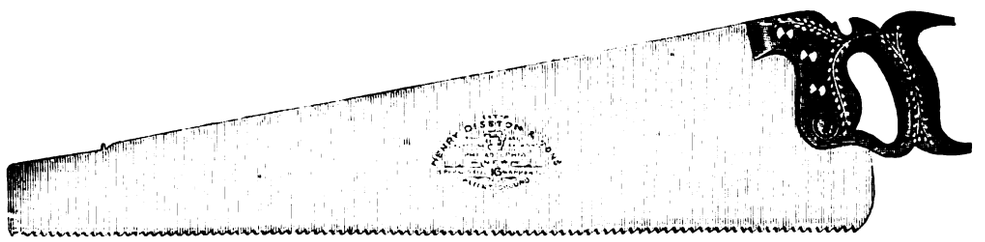


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

—EVERY SAW FULLY WARRANTED.—

Henry Disston & Sons,

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Keystone Saw, Tool, Steel and File Works,

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Carried in stock by all Jobbers.

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"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

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PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
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3000 Varieties,
Increment Cut
Files and Rasps.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

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STEEL MORTAR and BRICK HODS



OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

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Power Punches. Forging Presses,
Power Presses, Trimming Presses,
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Drop Presses,
Embossing Presses, Automatic Feed Presses,
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Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.

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have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:
MENS'
$100,
$90,
$75.
26 in. Boys'
$50.



PRICES:
LADIES'
$100,
$75.
26 in. Girls'
$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

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Varnish Makers

—AND—

Color Grinders,

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Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

THE

Roller Skates

Are Having Their Innings Now.

The SIDEWALKS DEMONSTRATE that on any Bright Day

A Full Line on Hand.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

Catalogue Sent on Application.

DEALERS Who Wish to Keep up with the times must have a stock of Roller Skates on hand.

The Demand is sure to come. Prepare in time to meet it.

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HARDWARE

VOL. XI. MAY 25, 1895. NO. 4.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY.
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MELBOURNE, - - - - - - McLEAN BROS. & RIGG.

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The Bicycle Drouth.

It is doubtful if such a condition of affairs as exists at present in the Bicycle business has ever before been witnessed by our naturally wide-awake dealers.

Scarcely a leading manufacturer of wheels, but has found his sales—through agents greater in number than he ever supposed it was within his ability to gather—,so far surpass his most sanguine expectations, that he is to-day unable to supply to any appreciable extent the constant, steady, and increasing demand for high-grade wheels apparent on every hand.

Of course the desire of the people to own and enjoy the incomparable pleasure derived from the now indispensable addition to our domestic economy, has been greatly fostered and encouraged by a liberal display of money expended in bicycle shows throughout the country, which were of vast importance in exhibiting the many hundreds of valuable devices which our cycle makers were adopting, and thereby improving their increasing product, and also by a judicious system of advertising, well calculated to arouse the engrossing interest of the would-be purchaser and enabling him to make a decision where previously all was vacillation.

The buyer in prospective has been made familiar with the constructive excellence of all the leading wheels on the market; and in no branch of industry has it ever been found necessary to make so complete a campaign of education, but the results have, more than ever, justified this manner and method of conducting sales. As it takes months of preparation for a season's output of wheels, it is fair to presume in the case of all the leading makers, every bicycle they can produce with safety for the entire season, is already sold under contract, with orders being turned down every day for wheels which are unreachable, and this state of affairs is unprecedented.

A similar stimulus is being given to other lines of business, in sympathy with a growing demand for goods. Orders for leading lines are coming in, in a largely increasing volume. Contracts for Fall are being given in May for the first time in two years, by sagacious buyers; wages are being gradually restored to the patient workers by the conscientious manufacturer.

Prices of leading products are advancing perceptibly though on a conservative margin; and where the conditions show that a complete supply to meet the full demand is simply impossible. The cost of raw material increases as the mills and factories become confident buyers, and the iron of life is again injected in the nation, and the color again makes its appearance in the cheeks of trade; the feverish eye of speculation notes a surplus such as the thirty to forty millions in the banks of our city give evidence of, as well as even one day's record-beating sales in Wall Street of over 700,000 shares show proof, which surely indicate that it is again possible for one merchant to grasp the hand of another and smile with happy anticipation of the future, rather than frown with an air of nervous apprehension, as has heretofore been the prevailing custom.

Business and Municipal Affairs.

Business administration of municipal affairs is on trial in New York City, and every merchant owes it to himself as well as the community, to hold up the hands of Mayor Strong in his efforts to give this city good municipal government. He resigned his position as president of one of the largest banks in this city, and neglected his other commercial interests, not because he wanted to, but because urged by his fellow merchants and citizens to do so for the public good. He is doing his level best to give New York a good business administration, and the business men of New York, without regard to party, should back him up with voice and pen whenever they have an opportunity to do so.

The Permanent Sportsmen's Exposition.

The Annual Sportsmen's Exposition is an assured, permanent fact. The recent gathering at Madison Square Garden demonstrated that fact, beyond all question. The interested multitudes who for a week poured through the corridors, and gave delighted attention to the exhibits, set the seal of public approval upon the venture, and made it impossible to come to any conclusion other than the above. It was an Exposition that won squarely upon its merits. Nothing more attractive or artistic in its way was ever known in that place of many shows. The scenes that greeted the vision upon entering the Garden, disarmed adverse

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criticism, and a detailed examination of the exhibits fortified the good opinion first formed. As an exhibit for the eye alone, it was well worth the visit; as a means of education in all that relates to healthful and innocent sport, it was beyond valuation.

No meed of praise is too great for those who have patiently labored for so many months to make this Exposition worthy of the great interests which it represented. Their reward was in the event itself. To Charles Tatham, the president; J. A. H. Dressel, the treasurer; Frederic S. Webster, the secretary, and P. G. Sanford, Charles Daly, J. Von Lengerke and Jacob Studer, of the board of trustees, more especially belongs the honor of having made the Exposition what it was.

The success of next year's exhibit is a foregone conclusion.

The Michigan Hardwaremen are moving in favor of a State organization of a fraternal nature. The call published elsewhere in this issue gives the details thereof. The good work is moving forward in all directions.

Hartford Hardwaremen Dine.

At the sixth semi-annual dinner of the Hartford Hardware Association, held at the Elm Tree Inn, Farmington, Conn., on the evening of May 16th, the Association had as guests the Hardware Social Club of Western Massachusetts. The local organization were thus able to reciprocate courtesies received at the hands of the Massachusetts club. The visitors present were: E. D. Wells, G. E. Russell, W. A. Pearson and H. R. Russell, of Holyoke; H. G. Noble, James H. Bryant and A. B. Parks, of Westfield; E. R. Taylor, of Chicopee Falls; Charles A. Bryant, of Chicopee; F. E. Clark, J. Douglass Law and C. J. Blackstone, of Springfield. Those of the Hartford organization who attended the dinner were: James R. Crofut, S. L. Way, John B. Clapp, W. F. Girard, E. B. Thrall, John C. Tracy, George I. Clapp, L. L. Ensworth, W. F. Jones, H. N. Robinson, R. F. Way, E. M. Francis, George Breed, William Francis and Irving C. Treat.

Following the dinner informal speeches were made by several of those present, and the historian, Gen. John B. Clapp, read a historical sketch of each of the eleven firms comprising the Hartford Hardware Association. There are eighteen individual members of the Association, ten of whom have been in the business over twenty-five years. They are: William Francis, 54 years; S. L. Way, 46; E. B. Thrall, 37; L. L. Ensworth, 36; W. E.. Cone, 34; John Tracy, 33; H. N. Robinson, 32; S. F. Cadwell, 32; John B. Clapp, 29; W. Frank Jones, 25 years.

Failure of Buehler, Bonbright & Co.

James S. Bonbright, trading under the name of Buehler, Bonbright & Co., Hardware, Philadelphia, Pa., has made a general assignment to Herbert Eells for the benefit of all creditors. "The assets and liabilities could not be learned, and it was stated by Mr. Eells that, owing to the great variety of goods in stock, it would be impossible to render a statement for several weeks. The cause of the trouble, Mr. Eells stated, was due purely to the prolonged business depression, and the depreciation in value of the staple articles of their trade, in many instances ranging from 25 per cent. to 40 per cent. On March 26th last it was decided to dispose of the stock, and it was subsequently sold to a competitor. Forty thonsand dollars of the firm's money was from the estate of the senior Bonbright, who died in 1892, and was left by him as a loan in trust, for his widow and children. Finding the business failing and the demands of other creditors pressing, it is said that Mrs. Bonbright pressed her claims to priority. The business was a very old one and had a large and prosperous local trade, and the firm was well-known through the adjacent States. It was founded in 1827 by Martin Buehler and became successively Buehler & Brothers, Buehler, Howard & Co., and subsequently Buehler, Bonbright & Co., then consisting of Martin Buehler, George Bonbright, Charles P. Suesserott, Edward D. Eyre and Thomas A. Fleck. Through death and retiring members the firm was depleted, and a new firm was organized January, 1888, consisting of Edward D. Eyre, Thomas A. Fleck, James S. Bonbright and Gilbert W. Molloy. Of these, Mr. Fleck and Mr. Molloy retired in 1891 and 1892 respectively, and Mr. Eyre died in January, 1893, leaving Mr. Bonbright as sole partner. Mr. Bonbright continued the business under the old firm name until the present crisis."

Michigan Hardware Dealers Organizing.

The movement which has become so general toward the formation of Hardware associations during the several years past, has reached Michigan, and there is good evidence to indicate that within a month or so the Hardware dealers of that great commonwealth will be joined in fraternal bonds. A call has been issued for a meeting to be held on July 9th, and in all likelihood Detroit will be the place of gathering. The purpose has been to reach every dealer in the State, and if any have been overlooked, it has been by error, and such are asked to forward their names and views to F. S. Carlton, care of the Carlton Hardware Co., Calumet, Mich. The call, in full, is as follows:

Calumet, Mich., May 13, 1895.

Whereas, The forming of Hardware Associations in various States has proved of social and commercial benefit to their members; and

Whereas, The Hardware dealers whose names are given herewith, doing business in the State of Michigan, believe that a similar association would be of benefit to them, it is hereby

Resolved, That a meeting be held in one of the following places: Bay City, Saginaw, Cheboygan, Petoskey, Detroit or Grand Rapids, Mich., on the 9th day of July, 1895, for the purpose of adopting a constitution and by-laws, and the election of officers and any other business that may be brought before it, and it is further

Resolved, That all legitimate Hardware dealers located in the State of Michigan are invited and urged to join the association. The purposes of which are to protect their mutual business interests and promote social intercourse.

Due notice will be given in Detroit daily papers of place of meeting.

Carlton Hardware Co., Calumet.
Mosher, Bissell & Mather, West Bay City.
Ferguson Hardware Co., Sault Ste. Marie.
Warren Hardware Co., Jackson.
H. C. Weber & Co., Detroit.

Please fill out the following, detach and mail at once to F. S. Carlton, Calumet, Mich.:

Are you in favor of such an organization as proposed in Michigan Hardware Dealers' Association? _____. Would you become a member? _____. Would you have a representative at the first meeting to be held July 9, 1895? _____. Which of towns named would you favor for first meeting? _____.

_____

_____, Mich., _____, 1895.

The responses so far have been favorable. If the Michigan Hardwaremen could fully understand the benefits arising from associations of this character, the responses would be unanimously in favor of the movement.

The increase of wages among the Ohio wire and nail workers affects 6000 men. Perhaps it is not the worst possible blow to the Ohio calamity candidates, but it is certain that none of them can stand many like it.—*New York World.*

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PRACTICAL TALKS TO HARDWAREMEN.

THE IRONMONGER AND HIS ASSISTANT.

In England, the ironmonger thinks so highly of his business that an applicant who desires to master its secrets must pay a premium for the privilege. An agreement, drawn up with much form and executed in parchment, is signed and sealed, by which the apprentice is bound for at least two years, and usually makes his home with his master.

When the time specified has expired the apprentice blossoms into an assistant, and is required to wear an apron usually of some dark-colored material. He must be very profuse in expressing thanks to customers. The prescribed form in serving, after a want has been supplied, is to inquire "Is there anything more I may have the pleasure of doing for you?" or, "Madam" or "Sir, where may I have the pleasure of sending this?" as, no matter the size of the parcel, "Madam" or "Sir" would not think of carrying it—even two or three pennyworth of this or that must be delivered.

The work hours of the assistant are usually from 8 A. M. to 7 P.M., with one hour allowance for dinner and thirty minutes for tea. On Saturdays some assistants are required to work later than this; however, there is but little variation the year round.

The shop is swept every night to allow the dust to settle on the counters, which must be carefully wiped the first thing in the morning, that all may be clean and bright upon the arrival of the proprietor.

The wages of the assistant vary, according to ability, although the average per week is from two to three pounds.

One difficulty the assistant has to contend with, is in keeping the shelf goods neat with the prevailing system of tying of packages, as all articles come from the makers tied up in two or three layers of brown paper. After a busy day the shelves are piled a foot high and the articles are lost in a maze of twine and paper.

The ironmonger is nothing if not conservative. After an absence of eight years I visited a very good representative of the trade, and failed to find a particle of difference in him, his business or his shop arrangement. As regular as the sun, he came and went, day in, day out, week, month and year. He was very exact in the details and minor affairs; all small pieces of paper, if but four inches square, would be saved; short lengths of twine four or five inches long would be tied together and hung upon special hooks behind the counter. Before going to the twine box these pieces must be used. When the packages were tied the twine was cut with scissors, two pairs of which were kept on the counter for that purpose.

"You evidently do not think," I suggested, "that the American plan of saving time in opening packages by using the knife and throwing away the string, is the better economy?" "The best economy," he replied, "is shown in the result. I have spent on an average, not over five shillings per year for paper and not much more for twine, utilizing all scraps and bits of either that find their way into the shop. In the schools, abstruse problems in arithmetic are taught, not for the immediate benefit to be gained by a solution of the problem, but for the mental discipline acquired. But in training my apprentice I go a step farther, getting from them, in my lessons of economy, a direct return for myself; at the same time grounding them in principles of economy, while their time is of small value, leaving the use of the knife until that happy period when their time is of such value that the use of the knife would indicate the better economy."

He was the essence of politeness, especially to the good customers and those of long standing. I have seen him clear the counter and get to the door to open it for a lady, in two bounds, covering a distance of six or eight yards. He was very sharp after the cash. Did not believe in cutting prices, as every article must be sold for a profit.

Like most ironmongers in towns, he did a large trade in petroleum oil, the ordinary quality of 175 degree test, retailing at sixteen cents in American money. Ninety per cent. of the oil comes from the United States, the balance from Russia. The barrels are set up in the back yard and the oil is carried by pumping facilities to the shop, where by special measuring gear it is drawn for the purchaser.

One workman was kept regularly in a well-fitted shop in the rear of the premises, to do any kind of odd jobs, the proprietor, with the aid of an assistant and two boys, doing all the rest of the work. One of the boys was kept inside and the other did all of the delivering with a two-wheeled truck or push cart.

After being in business twenty-five years, he had amassed a comfortable fortune of from ten to fifteen thousand pounds, "all out of my shop," said he, "and due mainly to the exercise of proper economy."

TRAINING THE HANDS.

The lack of manual training has been felt by many, who in the ordinary interpretation of the word, are considered educated.

This failing is noticed most frequently in the trivial repairs the Hardwareman is called upon to make. A left-hand rim lock has been carried three miles to have the latch bolt reversed. A customer repudiated his bill, cursed the outfit and the outfitters, because the water had evaporated from his electric battery. Another customer was charged five dollars by a hard-hearted dealer merely for putting a simple leather valve in his pump.

The impression appears to be firmly installed that, if a plumber is paid for doing certain work, that work can be done by none but a plumber, whereas if men retained even a little of the inquisitiveness of their youth, they might yet "see the wheels go round."

In dealing with mechanics, the ability to illustrate some technical feature by free-hand drawing, is of great advantage to the merchant. A salesman for electric chandeliers said that his talent for drawing had enabled him to close many a contract by clearing up all doubts and showing just how such and such a combination would look.

In trimming his window, many a Hardware clerk has marred an otherwise good display by the appearance of his price-tickets, and has longed for something that would enable him to become a creditable sign-writer, or at least for a substitute for the labored and crude effects of his drop-block and brush!

SHOP TALK.

On Saturday night, as we were giving to the proprietor our customary review of the week, he said: "Boys, now that we are pretty busy with the spring trade, are you sure you enter all the items to be charged?" Of course we all replied that we did not miss a thing. "Well," he continued, addressing the Cutlery Man, "what is your plan?"

"Oh, I have a good memory," he replied, "and when we're busy I wait on the customers in turn and make the charges afterwards."

The Tool Man said he made a memorandum on a slip of paper, then during a lull, taking these slips from his pocket and charging the items.

The Stove Man, nicknamed "Double Sure," said he entered every charge in the proper book at the time the sale was made, that as far as *making* the sale, it was effected when the goods were transferred to the customer, but to be

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collectable, the account needed the written evidence of the transaction, that he had been trained to make the entry at once, taking *one* risk—that of an impatient customer leaving; while if the entry was deferred, *two* risks were assumed—that of losing the first sale by forgetting to make the entry, and that of not making the sale at all.

Drifting into a lighter vein, the following "order" was handed around to be translated:

"Please and sent me 2 Pear Engse for hinths a perpetrated pie pan a pd rozena and also please and sent a hand spade," with verbal instructions to send to "Eli Avenue, C. O. D."

The correct filling of the order was: 2 pair of four-inch hinges (Acorn Butts), 1 perforated pie-pan, 1 pound of raw sienna, 1 garden trowel. Delivery was made to Lehigh Avenue. Shop Man.

Plume & Atwood Chicago Offices.

The Plume & Atwood Mfg. Co., Albert E. Snow, agent, can now be found at their new store, No. 199 Lake Street, Chicago. They were formerly located on Lake Street for twelve years, and for the past four years have been located at No. 90 Market Street, but have now taken a four-story building and basement, 20x180 feet, have had it thoroughly remodeled, and will occupy the entire building, carrying a full and complete stock of their general lines of Brass, Wire, Brazed and Seamless Tubing, Butts, Escutcheon Pins, Jack and Safety Chain, Lamp Trimmings, Lamp Burners, Table and Banquet Lamps, and various other goods of their manufacture. The front half of the ground floor has been fitted up with very handsome offices, and the rear will be used as a metal room. The front half of the second floor has been fitted up as a general sample room of their different lines of goods, and the rear will be occupied by open stock, and the third and fourth floors and basement with package stock.

With their increased facilities and accommodations, it will, no doubt, be a great convenience to the trade, and any of their customers who may be visiting Chicago will find every convenience.

They are also selling agents for American Ring Co., Waterbury, Conn., and for Fletcher Mfg. Co., Providence, R. I., for their Lamp and Stove Wicks.

A Demand for Apple Parers.

The Reading Hardware Co., Reading, Pa., and No. 96 Reade Street, New York, announce that they are receiving a great many orders for Apple Parers, which they take as indicating that there will be a large crop of apples throughout the country the coming season. Because of this increased demand, and that they may not get behind in their orders, they have issued a circular asking an anticipation of wants in this line, so that the goods may be shipped early and be on hand when needed.

Among the Parers that have won so fine a reputation as of the manufacture of this company, may be mentioned the Reading Apple Parer, made only by this company, with improved curved knife; the Baldwin Parer, with automatic push-off, and all the latest improvements—will pare apples of any size and shape, and remove them from the fork automatically; the '72 Apple Parer, without the push-off, that has been upon the market for many years, and for a low-riced machine has given entire satisfaction: and the Advance parer, corer and slicer, with improved push-off. In speaking of it, the makers say: "The Advance is a strictly first-class machine at a low price, and is not intended to replace the inferior devices in the market. It is the only machine ever invented that will entirely pare, core and slice an apple. With one hand you can pare, core and slice an apple, and withdraw the fork from the core."

Death of Henry S. Vroom.

Henry S. Vroom, a member of the firm of Terrell & Vroom, general Hardware dealers, No. 368 Eighth Avenue, New York, died at Port Richmond, S. I., on May 12th, of pneumonia and heart affection. He had passed a useful life in the trade of which he was an honored member. For nearly twenty years he was connected with the old firm of John C. Johnson & Co., No. 36 Howard Street, and later with the successor of that house, Jos. T. Farrington. In 1884, in partnership with Isaac H. Terrell, he formed the firm above named. Mr. Vroom was a former member of Livingston Lodge, F. & A. M.; Adelphic Chapter, and Morton Commandery, the Riverside Club, and the Kill von Kull Yacht Club, being at the time of his death treasurer of the latter. He was a resident of Staten Island for thirty odd years, and leaves a widow and one daughter.

Death of E. A. Chapman.

The death of E. A. Chapman, president of the Chapman Mfg. Co., Meriden, Conn., removes a useful and honored member of the community with which he had cast his lot. He went from Middletown to Meriden in 1888, and in association with other gentlemen, formed the company above named. For a number of years he was its treasurer and manager, and upon the death of its president, I. C. Lewis, in 1893, he was elected to that position, which he held until his death. In 1894, by the advice of his physician, Mr. Chapman made a trip to Genoa, Italy, which did not result in the benefit that was hoped for. In August he visited the Adirondacks, and from thence went to Colorado Springs, to Redlands, and to Los Angeles, where he died on April 9, 1895. The remains were brought home to Middletown, where the burial occurred on May 15th.

The annual meeting of E. & T. Fairbanks & Co. was held at St. Johnsbury, Vt., some days since. The following directors were elected for the ensuing year: Henry Fairbanks, St. Johnsbury; S. N. Brown, Boston; William S. Wells and James G. Gardiner, New York; Charles H. Morse, Chicago; H. N. Turner and John C. Clark, St. Johnsbury. Mr. Clark was elected to fill the vacancy caused by the death of Colonel Fairbanks, and with this exception the board is the same as last year. The stockholders re-elected William S. Boynton and Edward T. Fairbanks auditors. After the stockholders' meeting the directors organized by electing the following officers: President, S. N. Brown; vice-president, Henry Fairbanks; secretary and treasurer, John C. Clark; general manager, H. N. Turner.

The American Wringer Co., No. 99 Chambers Street, New York, have sold the patents and good-will of their lines of Cork Pullers, Milk Shakes, Lemon Squeezers and Ice Shaves to the Erie Specialty Co., Erie, Pa., who will hereafter make the same, including the Samson Cork Puller, Imperial Milk Shake, Imperial Ice Shave and Acme and Fifth Avenue Lemon Squeezers. The Erie Specialty Co. announce that they "will maintain the high standard of excellence which these goods have attained," and add that they are in a position to give orders prompt and careful attention.

The Standard Range & Stove Co., Terre Haute, Ind., are getting ready to run about forty men after a general remodeling of the old building. The company are making three lines of stoves, high, medium and low grade.

George W. Buck, of the Hardware firm of G. W. Buck & Co., Baltimore, died suddenly at his home, No. 2023 North Calvert Street. He was in the forty-fifth year of his age. His death was from heart trouble.

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THE HONEST DOLLAR.--II.

[Samuel W. Allerton, of Chicago, who is too well known as a business man to need introduction, has placed upon record his views of the money question, which we are permitted to here present. They will be read with great interest, no matter what the views of the reader upon that great theme may be. Continued from preceeding issue.]

THE REMEDY.

EDITOR HARDWARE: Now, has not the time come for our nation to have a fixed financial policy based on that which is of greater value to the American people than gold or silver—a currency of fixed value that never would change, but be of uniform value, so that we could exchange our labor, products and property rights. How can this be done? Go at it as a great life-insurance company would, to see how much currency we need per capita. Issue government bonds bearing 2½ per cent., payable in fifty years, amounting to say $26 per capita, not to be increased except as we increase in population. Its value would be based on the integrity of our government and every man who had a dollar would have an interest in the government and would be a defender. Bonds to be divided up among the States in proportion to the population.

Let the government sell the bonds to bankers and issue currency $100 for $100 worth of bonds. Bonds sold only to legitimate bankers. Bankers are as necessary to conduct exchanges of the people as railroads are to carry its products. Put a tax of one-fourth per cent. on the circulation so the government could have the absolute supervision over the banks. Currency would be at par all over the United States. No foreigner could buy these bonds and no speculator could buy them to reduce the volume of the circulation. Sell only to legitimate banking institutions. Divide them up in each State, town and county according to the population. Have a fixed financial policy—not these congestions and panics breaking the enterprising man. Give our people work and keep them busy and we will have the gold we produce to lend to foreign nations. All our industrious people would soon have homes of their own, and we would be the most prosperous nation on the globe.

What is necessary for this nation to do? Let Cleveland call Congress together; let Republicans and Democrats forget sectional interests and go to Washington with patriotism; restore the tariff based on the difference in the value of labor in this and the old world. Let the importers of foreign goods pay gold on imports; pass a new national banking law; issue $1,600,000,000 of bonds; sell these bonds to bankers; issue currency at par with bonds; sell the bonds for silver certificates, national bank notes, gold certificates, treasury notes and greenbacks, and retire them. Give us a uniform currency based on the integrity of the nation. Let the government sell its silver bullion. Let the present coinage of silver remain for small change. On all foreign goods imported duty must be paid in gold; let the rich who want to wear silks and drink fine wines and smoke foreign-made cigars, pay duty in gold; let the government agree to take up the gold certificates and every clearly-made promise that they have agreed to redeem in gold—redeem in gold; or issue a gold bond payable in gold, bearing 2½ per cent. in small denominations and the gold hid in stockings would come out. Gold would be at a premium for a few years, but would find its level with wheat and corn. Stop furnishing gold to the importer, the traveler who goes abroad, to rich corporations and all the individual schemes that have issued gold bonds—the government would soon accumulate gold. If the men at the head of our government realized that this government is for the people, not for a party or a rich corporation, or for the money-changers of New York and Europe, we would soon get back prosperity.

OBJECTIONS—REDEMPTION.

The honest, conservative man, will say: What will you redeem this currency with? My answer is: Does progress in advancing manhood, confidence in each other and in the integrity of this great nation of liberty-loving people, need redemption? Our trouble has been and is now that we are on a false basis, trying to redeem $1,600,000,000 currency with $100,000,000 of gold. This false position makes the government weak and money-changers are in a position to dictate terms to this great nation.

COULD NOT SELL OUR SECURITIES ABROAD.

The gold men will say that we could not sell our securities abroad and trade with other nations. Well, if we could not get in debt, that would be a good thing for us, and when our rich people wanted to travel abroad and buy gewgaws they could afford to buy gold and silver; it would make a demand for it. Let Europe have the gold and silver and pile it up; we have untold millions in the mountains to supply them as they need it to inspire confidence in themselves and their government. We would be an independent nation as we should be. As God designed men to be individual, so should a nation be individual. Other nations would realize what a great liberty-loving people were and the confidence we placed in the principles of a free government.

NO ELASTICITY.

They say that this currency would have no elasticity, could not be expanded and contracted. This is true, and that is why we need just such a currency. Contraction and expansion are what the gambler likes, and we would avoid these great contractions and expansions, which are the elements of a panic. It is not rich men who build up the country, but the enterprising men who expect to borrow and do something to better their condition, and this system of contraction and expansion produces a panic that breaks this class of men and makes the rich richer and the poor poorer. Money is only the motive power to exchange our labor, products and property. Gold and silver are relics of barbarism, the lack of confidence among men. Gold and silver should be in our country like corn and wheat.

FIAT MONEY.

It may be said that this system of issuing government bonds and issuing bills therein would be fiat money; what is our money now but fiat money? One per cent. gold and fifteen per cent. fiat money, and only so long as foreigners will lend us gold by buying our bonds, demanding each and every time a greater interest, can we continue to redeem our paper money in gold. The people are all right; they show their confidence. Take silver, greenbacks, national currency; they will buy anything to-day we have to sell or exchange; yet the high men in official positions think they are at a discount of ¾ of one per cent.

The inflationists—the men who want something for nothing, an unlimited issue of greenbacks—will say, why have the government 2½ per cent. interest on bonds. The government takes up all its obligations with the issue of these bonds, and should give the value back in return. If we have manhood, we must be fair to all and do that which is just to all. There is no necessity for our government borrowing a dollar from foreign nations; we should borrow only from our own people; labor is the wealth of the nation; let the government furnish the motive power or a uniform value, never to contract or expand; our people will earn $7,000,000,000, if they can be employed.

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OVERPRODUCTION.

You will hear it said by some of our most intelligent men that our trouble is overproduction of cotton, wheat, wool, coal, iron, but not a word about the surplus of idle labor, hungry men wanting clothing, boots, shoes and homes. England buys $2,500,000 of raw cotton, sells $9,000,000 worth of cotton goods. The Southern States possess a fine, healthy climate, pure water, fine timber, produce fine fruits, a country well adapted for manufacturing. With a sound financial policy, a revenue law not to be changed, but kept uniform, the enterprising man could go ahead in the South with the certainty that he would not be bursted with a panic produced by causes not known to him. The South would soon manufacture all its cotton; our surplus of cotton, wool, coal, iron, wheat, would be in demand; that which we now claim is our depression would be as it is—God's blessing. Our idle labor would be at work earning $7,000,000,000 per year. When we wanted to build a railroad or a manufacturing plant our people would take the bonds if made in small denominations, their money would pay for labor, buy the material and be the motive power to exchange our labor and our commodities. Our industries would commence to move. Farm products would be in demand, railroads would be employed, the life and energy of our people come back to activity. Prosperity, like the rays of the morning sun, would penetrate every part of our country, south, north, east and west, and the cry of hard times and inactivity would be heard only from the croaker whose heart is so small that he cannot enjoy the prosperity of all our people.

INCREASED CIRCULATION.

It may be said that Congress would want to increase the circulation, but when the people realize the blessings of a uniform currency, good all over the United States, that neither expands nor contracts, and always has a fixed value, the man who would attempt to disorganize the existing system would be as dead politically as the stone at the bottom of the well.

I am not a populist, believing that you can make something out of nothing, nor a green-backer, desiring to issue unlimited amounts of currency, but wish to have a fixed policy, equal and just to all.

HOW GET GOLD FOR INTEREST ON BONDS.

It may be asked how will the government get the gold to pay interest on its bonds? Restore the tariff so the balance of the trade will not be against us. Collect gold from all foreign imports. The government would not have to furnish the rich $100,000,000 of gold to travel abroad. How could we trade with other nations? All our products we ship abroad would be sold for gold. The gold and silver we produce would be sold to go abroad which would form the exchange to pay our balances. If not, we could not get in debt. As a nation, we would have to live like an individual—within our means. Under our present financial policy, the government is to furnish gold to pay the balance against us; for the rich to travel abroad; to pay the interest on the indebtedness of rich corporations and for the balance of the trade against the government. How does the government do it? It issues every six months fifty millions of gold bonds. The present administration has already in two years issued one hundred and sixty-two million and will have to continue to issue bonds for gold with its treasury filled with paper money. If we continue on our present tariff plan and our people continue to travel abroad and the government continues to furnish gold to pay the interest on securities, it may have millions in currency in the treasury and yet have to saddle a debt of many millions on the people that the industrious will have to pay by labor.

HOW TRADE ABROAD?

You no doubt will hear the man with the large stomach, a bald head, and a gold cane say: Tut, tut; you cannot trade with the nations of a world. You will be like Mexico—you would put a Chinese wall around America. Reciprocity should be restored. The Democrats said that was tending to free trade, yet they repealed it. What is reciprocity? Allowing what we cannot produce at home to come in free of duty, provided our products go into other countries free of duties. What we can produce at home, put a tariff on to protect American industry. Because, with our free schools, when we educate the people we increase their wants; they want to be men and women in the broadest sense of the word and should not be obliged to work at the same price as the masses of Europe who are held in submission by a great standing army. How would we trade with the world? The products we produce they must have; the merchants of Liverpool, London, Paris, and Berlin will only buy what they want and will buy it in the cheapest market of the world whether we have tariff, free trade, currency, gold or silver; they will buy nothing to favor us, only as it makes a per cent. in their favor. Now the banks in our country would furnish money and buy these bills of exchange and have foreign exchange to sell. The rich corporation that owes interest abroad would have to buy the exchange. The foreign importer would have to buy these bills. The rich man and his duteous children who wanted to travel abroad to loaf and toadyize after dukes no doubt would say a free government was a failure because the government did not furnish the gold to them to travel abroad, and if exchange were pretty high they would have to stay at home and associate with American citizens, which, no doubt, would be very hard on them, but I think better than to have this government get into debt billions to make the industrious and future generations pay for our folly.

RETURN OF OUR SECURITIES ABROAD.

Should our nation adopt this finance policy, issue currency for government bonds for a medium of exchange, would they not send their securities back to be sold? How could we pay them? They are not national securities, but securities against corporations and individuals. They would be in the same condition as a merchant who had sold goods demanding pay; if the buyer could not pay the seller would have to extend the time or take the goods. The foreigner would know if he forced his securities on the market he would not receive half their value, and if they all did it and wanted gold no doubt they would have to pay a premium on gold. They would hurt no one as much as themselves.

PERPETUAL NATIONAL DEBT.

It may be said that the nation would always have a national debt. The government is for the people; taxes and revenue could be reduced by the government so we would always need this government debt.

FALSE GODS.

The heathen Chinee has a wooden god for the salvation of his soul. I was recently at a banquet; a stalwart young man from Iowa, a master of eloquence, spoke; his god was a gold god; a young man from Utah, eloquent in his honest convictions and belief also spoke; a silver god was his idea of the salvation of this great nation's finances. Now, is it not better for a great nation to have a god of manhood, confidence in the integrity of a great nation, than to idolize a wooden god, a gold god or a silver god?

HONEST DOLLAR.

The honest dollar is the dollar that never changes in value and always has a fixed value all over the United States. A gold dollar that changes in value necessarily cannot be an honest dollar, for gold is at a premium to-day, and the gold dollar will buy more of the products of labor; necessarily labor gets less pay than it would three months ago. The silver dollar changes in its value and is only said to be worth fifty-cents to-day, so it is a self-evident fact that

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a dollar based on gold or silver cannot be an honest dollar, but a dollar made by the government of a fixed value based on government bonds, with all the higher attributes of manhood, confidence in a nation of liberty-loving people, made uniform, limited to much per capita for every man and woman living in America, only increasing as we increase in population, would have a uniform value which could not change—must be an honest dollar.

SUPERIORITY AND ADVANTAGES OF OUR BASIS.

What the industrial people want is a fixed financial policy. The young man who has nothing but his hands and brain to start in life with wants a fixed financial policy, because after he has worked and accumulated a few thousand dollars on a gold basis, the inflationist gets into power; he could not buy a blind old mare to start in life with with his hard-earned savings. What we want is a fixed policy, a currency that never changes, which we never can have with gold and silver; for gold is sure to leave us in time of need. The idea of this great nation having to borrow of foreign countries to pay the running expenses—to be dependent upon other nations! Look at our present condition. This great nation dependent on foreign capital that has been drawing out gold so we would have to issue bonds and pay three and three-quarters per cent. interest; that this foreign capital could dictate terms to this great nation. What we lack in this country is true Americanism—men with national pride and individuality. This must be an individual nation—must take care of itself. England, France and Germany will never take care of us; but if we have not the brains to have a fixed policy, independent of other nations, England will dictate to us, and we will be the hewers of wood, and continue to pay tribute to foreign nations because we lack the brain to take care of ourselves—blessed by the Creator with the richest country on the globe.

REPUBLICAN PRINCIPLE.

Has the time come when this great republican government will advance in the policy of the greater good to the greater number, or shall its policy be the greater good to the lesser number? One standard, gold, is clearly in the interest of the lesser number, and as I love the true principle of a republican government, I am opposed to the one standard, gold. I have always been in favor of bimetallism, but when I see the impossibility of keeping two metals on a parity with each other, it is evident that our money must be either on the gold or the silver standard. Now, the real question is, have we advanced in civilization to a point where manhood, confidence, integrity, faith, hope, universal justice to all, shall be superior to confidence in an inanimate object? If not, I am wrong. Then we must sink the higher attributes of manhood and still put our faith in gold or silver.

FINANCIAL REVOLUTION.

My friends say this is a revolution in financial systems. The answer is: Am I right in this simple statement of facts? My conviction is that I am; so I give to the American people these few ideas for what they are worth. I hope I have injured no one, being guided with the one thought that I love my country and its prosperity more than gold or silver.



It is reported that the Racine (Wis.) Hardware Mfg. Co. have contracted for the construction of several hundred motor cycles for a party in Cleveland.

The B. Roth Tool Co., St. Louis; incorporated with a capital of $4500 to manufacture tools, supplies, etc.

The Missouri Lamp & Mfg. Co., St. Louis; capital, $30,000; to manufacture lanterns, lamps, etc.

The Tale of a Broken Lock.

CHAPTER I.

It was but a few minutes after breakfast when Mrs. Belton told Mr. Belton that he would have to send for a locksmith, because the lock on the library door was broken.

"You'd better go for him right away," said Mrs. Belton.

But Mr. Belton was a handy man about the house.

"Nonsense!" he said. "The idea of giving up fifty cents to some apprentice when you can do the work yourself in five minutes."

CHAPTER II.

It was eleven o'clock when Mr. Belton, kneeling before the library door with a kit of tools scattered around him, ordered his son to go to the Hardware store and buy a new screwdriver.

"What's the matter?" inquired Mrs. Belton. "Can't you get at the lock?"

"Of course I can," said her husband. "You just keep quiet, will you?"

"Johnnie!"

CHAPTER III.

Mr. Belton with his coat and vest off and his hair touseled, was gouging into the woodwork around the keyhole.

"Johnnie! Go over to the Hardware store and buy me a file and chisel."

Meantime Mrs. Belton ran out to the drug store for some arnica, for her husband had bruised his finger while experimenting with the lock.

"I've most got it fixed now," said Mr. Belton as she left.

CHAPTER IV.

It was about seven o'clock in the evening when Mr. Belton, with a rent in one trouser leg and his face covered with grime, arose angrily, and, throwing down his tools, ordered Johnnie to go for a locksmith.

"Somebody's been tampering with that lock or I'd have fixed it!" he said, glancing with angry suspicion and reproach at each member of the family in turn.

Then he sat down and glanced over the bills from the Hardware store, which included $1 for a chisel, seventy-five cents for a screwdriver and eighty cents for two files. In addition there was twenty-five cents for arnica, and it would cost $8 for a new pair of trousers and at least $5 to repair the gouged places in the door.

CHAPTER V.

Five minutes after the locksmith's boy came he was rattling the key in the lock to show that it worked all right.

"How much?" said Mr. Belton brusquely.

"Oh, I guess the job's worth a dime," said the boy.—*Chicago Record.*

Ogburn & Petty, dealers in general merchandise North View, Va.: Hardware Pub. Co. Enclosed we hand you our check for $1, to pay subscription to your HARDWARE journal for twelve months. We like your journal very much.

"If a man be gracious and courteous to strangers," said Lord Bacon, "it shows that he is a citizen of the world, and that his heart is no island cut off from other lands, but a continent that joins them."

The Leeds Stove Foundry & Casting Works is to be the name of an institution lately organized for the purpose of manufacturing stoves and castings at Leeds, Iowa.

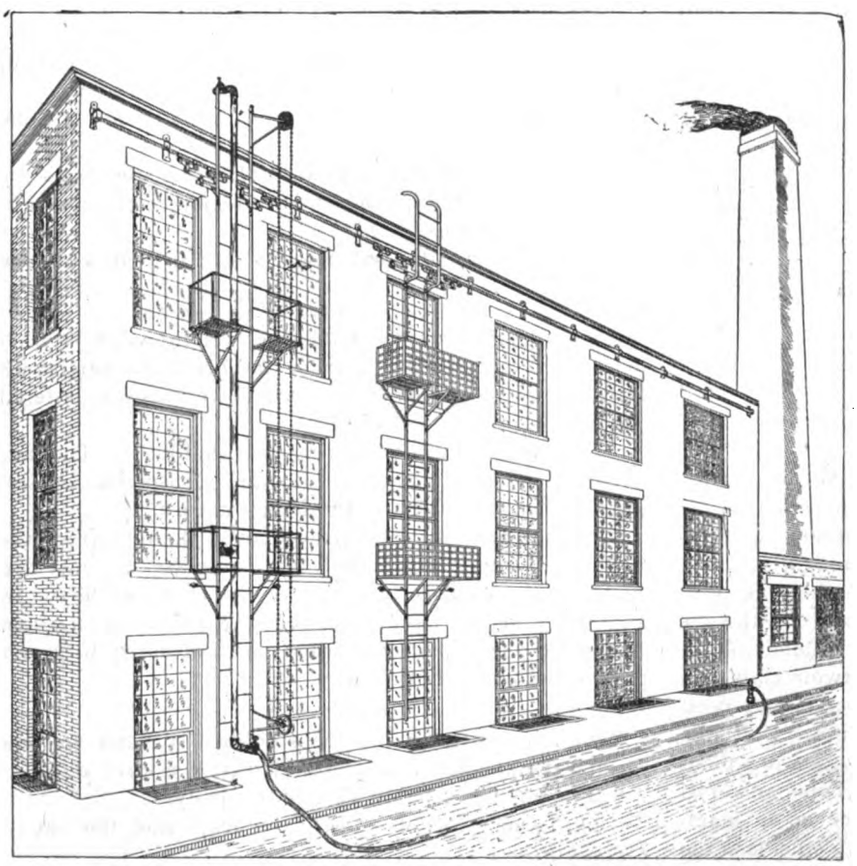
A fire in the works of the Unique Mfg. Co., Coopersdale, Pa., manufacturers of pipe and monkey wrenches, has caused a loss of $4000; partly insured.

A nail machine is at work in the window of Hoff & Raymond's Hardware store, Middletown, Pa., and makes an attractive feature.

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Coburn Co.'s Fire Escape.

The Coburn Trolley Track Mfg. Co., Holyoke, Mass., are successfully placing upon the market a Fire Escape, the construction and method of application of which may be seen from the accompanying illustration. In describing it, and in speaking of fire escapes in general, the company say: "While this device is truly a practical fire escape, yet it has strong points in its favor as a device to fight fire at the very first start, and will be brought to attention of owners of factories who desire to get the very best fire protection as well as lowest insurance rates. Why not have factories employing labor have such means of escape at hand in case of a sudden fire as will save all lives? Why not have factories equipped with a portable fire ladder and stand pipe for water connection, so that any story from the lowest to the highest may be reached with a short or long hose the entire length of the building? One or more ladders may be used according to how long the building may be. We furnish our heavy large No. 13 gauge track for this work



with wrought and malleable iron fittings all galvanized. The ladders, balconies and water pipes being made of standard material constructed to fit plans and specifications that may be furnished us. A careful examination of this system is solicited. An ounce of prevention is worth a pound of cure."

Bissell Sweepers and Fans.

The Bissell Carpet Sweeper Co., Grand Rapids, Mich., who are always in the van when enterprise is considered, have made a special offer which is certainly tempting in every respect. They wish to make a special push of their Bissell Grand Carpet Sweeper, and to do so, have suggested to dealers the following plan: "There has never been a special effort made to place this sweeper in churches, lodge rooms, hotels and other places where there is a constant demand for one or more large size sweepers, and, as during the hot summer months, there is nothing more acceptable at such places than a number of good noiseless fans, we have decided to include free with each Bissell Grand ordered for prompt shipment, fifty Japanese flat fans; an attractive decoration on the front of each, and a neatly printed ad. on the back. It will pay you well to push this sweeper at this time, for by selling the Grand at its regular price—$4.50 each—you make a good profit on every one sold and the special offer of fifty fans free of cost with each sweeper, cannot fail to secure orders from every church, hotel and lodge room in your city, and give you a good permanent ad. gratis. The price of the Grand is $36 per dozen (our usual price) and we make no charge whatever for the fans, and also include a liberal supply of circulars and neatly typewritten letters, already for you to sign and mail to your customers. We only request that any orders placed with us, be mailed promptly to insure reaching us before our supply of fans is exhausted."

The Bradley Bracket.

The Bradley Steel Shelf Bracket, manufactured by the Atlas Mfg. Co., New Haven, Conn., is in its improved form, more than holding its own in the market into which it has been so successfuly introduced. In its new double form, with screw holes side by side, it gives all the needed strength with lightness—a feature to be considered when sending by freight. It is made wholly of steel; is described as not brittle nor breakable. "The position of the screw-holes is most convenient and secures a wide lateral bearing. In the Bradley Steel Bracket the full strength of both wires is retained, and it is further strengthened at this important point by the steel clasp; metal is put where it is needed, and the bracket is made light by moving it where it is not needed. The U-shaped brace in this Bracket is swelled as it approaches its middle portion, increasing its power of resistance in all directions, and is the strongest form that metal can be put into. Bradley Brackets are all highly polished before they are japanned, and for finish, durability and true artistic merit cannot be excelled." Write for prices to the Atlas Mfg. Co., New Haven, Conn.

Congratulations from Across Sea.

We offer our congratulations to our New York contemporary, HARDWARE, on the attainment of its fifth birthday. HARDWARE was, we believe, the first journal in the States issued entirely in the interests of the Hardware trade, and the enterprise which prompted its introduction has been rewarded by a wide-spread exhibition of appreciation and support. The current issue, the birthday number, contains a large amount of useful matter, and, as befits the interesting occasion, is prettily bound in a specially designed cover.—*The Hardwareman, London, Eng.*

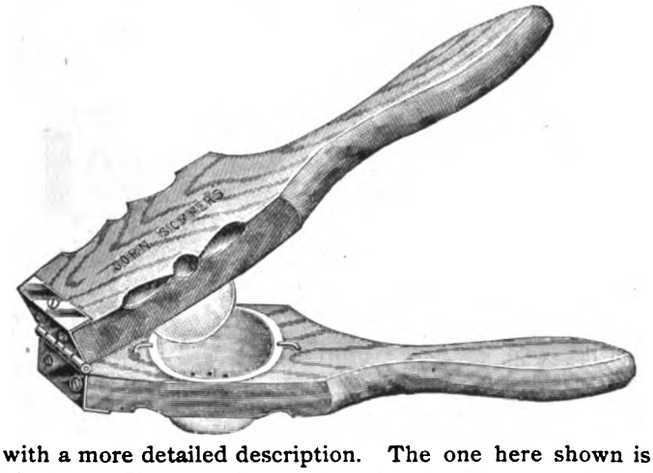
The W. Bingham Co., Cleveland, Ohio, have issued a handsome little leaflet, which speaks for itself in these words: "Jessop's Steel. We have handled it for *forty-eight years*, and have always found it uniform in quality, and sure to give satisfaction. It is made of the best Swedish iron, and has a world-wide reputation. It furnishes a standard for comparison, and 'as good as Jessop's' is as large a claim as others can make—and larger than they can fulfil. It is the cheapest steel produced, quality considered. Highest Award, Chicago, 1893. Twenty Highest Exhibition Awards."

HARDWARE costs only One Dollar a year.

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"Boss" Wood Lemon Squeezers.

Attention was called in our last preceding issue to the line of Wood Lemon Squeezers manufactured by John Sommer's Son, Nos. 355-365 Central Avenue, Newark, N. J. In this connection we are permitted to illustrate the same,



with a more detailed description. The one here shown is his Fancy Shape with porcelain bowl. These goods are described as "far superior to iron, tinned or japanned; will not break or crack, and no danger of parts rusting or corroding, as they are all wood." Mention is also made of the fact that they can easily be kept clean. In detailed description of the line, the manufacturer gives the following information as to prices, etc.:

No. 1.—$7.00 per. doz. Body fancy shape, made out of selected sugar maple, finely finished. Hinges brass, nickel-plated, and overlapping ends, very strong. Bowl rosewood or lignum-vitæ wood, extra large, round bottom, highly polished.

No. 2.—$6.50 per doz. No. 2, same as above, but not graded as fine.

No. 3.—$6.00 per doz. Body fancy shape, made out of sugar maple, smoothly finished. Hinges brass, nickel-plated, and overlapping ends, very strong. Bowl maple, extra large, round bottom, highly polished.

No. 4.—$5.50 per doz. No. 4, same as above, but not graded as fine.

No. 5.—$5.00 per doz. Body fancy shape, made out of sugar maple, smoothly finished. Hinges brass, overlapping ends, very strong. Bowl maple, extra large, round bottom, polished.

No. 6.—$4.50 per doz. No. 6, same as above, but not graded as fine.

No. 7.—$4.00 per dox. Body fancy shape, made out of sugar maple. Hinges steel, overlapping ends. Bowl maple, extra large, round bottom.

No. 8.—$3.50 per doz. No. 8, same as above, but not graded as fine.

Any of the above grades we will furnish with porcelain bowl (as Fig. A) if so ordered, at the same price, but do not warrant porcelain bowl.

No. 9.—$6.50 per doz. Body plain, made out of selected sugar maple, finely finished. Hinges brass, nickel-plated, and overlaping ends, very strong. Bowl rosewood or lignum-vitæ wood, square shape, highly polished.

No. 10.—$6.00 per doz. No. 10, same as above, but not graded as fine.

No. 11.—$5.50 per doz. Body plain, made out of selected sugar maple, smoothly finished. Hinges brass, nickel-plated, and overlapping ends, very strong. Bowl maple, square shape, highly polished.

No. 12.—$5.00 per doz. No. 12, same as above, but not graded as fine.

No. 13.—$4.50 per doz. Body plain, made out of sugar maple smoothly finished. Hinges brass, overlapping ends, very strong. Bowl maple, square shape, polished.

No. 14.—$4.50 per doz. No. 14, same as above, but not graded as fine.

No. 15.—$3.50 per doz. Body plain, made out of maple. Hinges steel, overlapping ends. Bowl maple, square shape.

No. 16.—$3.00 per doz. No. 16, same as above, but not graded as fine.

"Eureka" Lemon Squeezers. No. 17.—$6.00 per doz. Body hard sugar maple, finely finished. Hinges brass, nickel-plated, overlapping ends, very strong. Without bowl the inner surface is grooved, as per cut, to bring the juice to the center; side or top is protected with cover. Indispensable for quick work; it is not necessary to take any portion of the lemon in your hand, but use it as you would a pair of tongs.

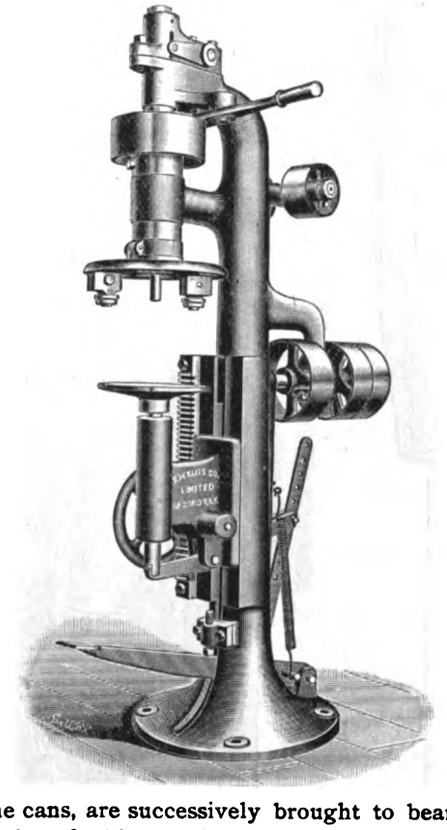
No. 18.—$6.00 per doz. No. 18, similar to the above, but handles turned and cut so as to stand apart.

"Eastern Pattern" Lemon Squeezers. No. 19.—$4.50 per doz. Body plain, made out of maple or birch. Hinges steel, handles turned. Bowl porcelain.

"Common Wood" Squeezers. No. 20.—$1.00 per doz. Body plain, made out of maple or birch. Hinges sheet steel. Bowl frazed in body.

No. 02 Double Seaming Machine.

In Double Seaming Machines for round cans, as ordinarily constructed, the can revolves while being seamed, and the arm which carries the double seaming rolls is a stationary part of the machine. This method, however, will not answer for cans which have to be filled before the lid is seamed to the body, such as paint cans, some kinds of condensed milk tins, etc. The No. 02 Bliss Double Seaming Machine, E. W. Bliss Co., Brooklyn, N. Y., shown in annexed illustration, is designed for cans of this kind, which have to stand still during the seaming operation. The hand lever, shown on top, is used for actuating the two double seaming rolls, which revolve with the large disc around a stationary spindle. The pressure plate fitting the lid of can, is attached to this spindle. The can is raised against it by means of the foot treadle, and the two double seaming rolls revolving



around the cans, are successively brought to bear against the edge, thus double-seaming the lid very rapidly. Adjustments are provided for adapting the machine for any size within its range. The principal dimensions are:

Size of driving pulley on main spindle	8x3¼
" " " " back shaft	8x3
" T. & L. " " "	8x3
Distance from center to frame	7¼ in.
Size of disc carrying double seamer rolls	12 in.
Largest diameter of can with regular disc	6 in.
" " " " special disc	9 in.
" height of cans	9 in.
Total height of machine	65 in.
Size of base plate (round)	20 in.
Weight	550 lbs.

The contract for the iron work on the Kansas City government building has been awarded to the Fred. J. Meyers Mfg. Co., Hamilton, Ohio, for $20,990.

An extension is being built to the works of the Waterbury Brass Co., Waterbury, Conn.

A nine-foot vein of aluminum of superior quality has been found on a farm in Kansas.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

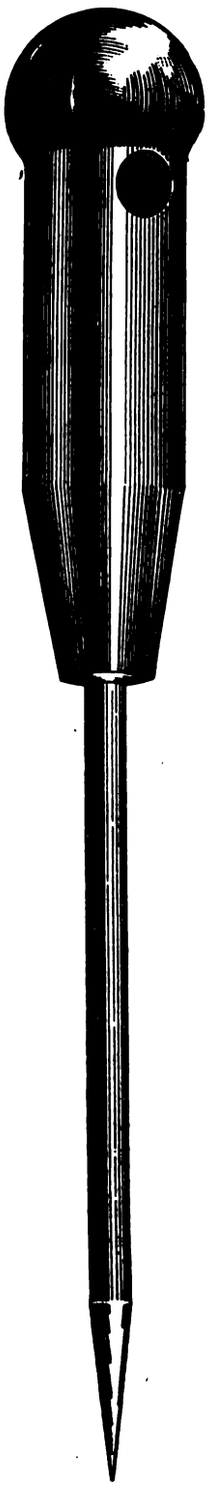
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

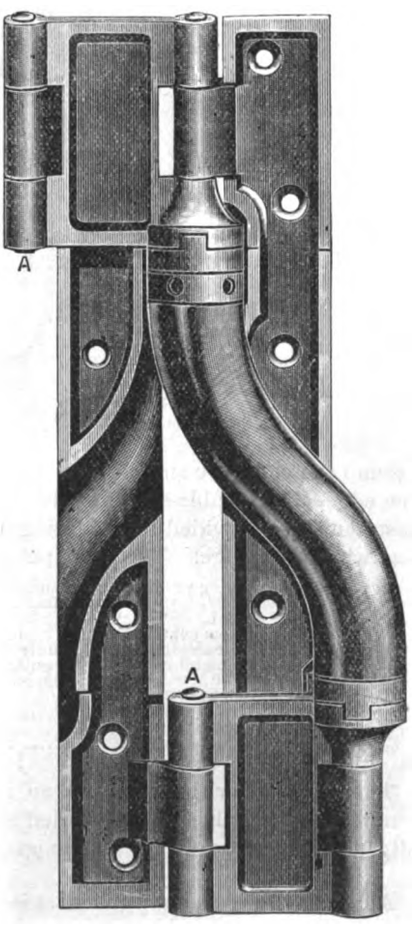
Polar Ice Pick.

The Dana Hardware Co., Boston, Mass., as selling agents for Estes & Co., Nashua, N. H., are putting on the market the Polar Ice Pick. The action of this pick is similar to that of a nail puller. The head, which is heavy cast-iron, slides down the steel awl 2¾ inches, thus making a slight arm force all that is necessary to be put into the blow. The pick is finished in nickel and japan.



Payson's Oblique Double-Acting Spring Hinge.

The Payson Mfg. Co., Chicago, Ill., have recently put on the market the Spring Hinge, illustration of which is given here. This Hinge has an outside adjustment. The spring is concealed from view at all times, being thus protected from rust, and it is impossible for it to stretch out. The makers state that "it is a strong, reliable hinge, adapted for all classes of work, from the cheapest to the best. It is quickly and easily applied, has a soft but positive action, and cannot get out of order." It is well proportioned, neat in appearance and is finished in all styles from japanned to silver-plated.



The Griswold Coffee Mill.

The Griswold Mfg. Co., Erie, Pa., are introducing the Coffee Mill here shown. The mill is cast all in one piece, as to hopper and box, and is fastened on a neat wooden base.





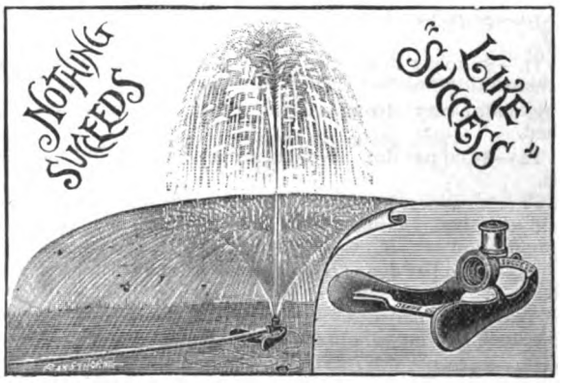
The hopper has a neat revolving cover which entirely covers up the hopper while grinding the coffee. The mill is provided with a stamped tin cup for receiving the ground coffee, which the makers claim is an advantage over wooden boxes or draws, as it collects no dust or dirt. These mills are furnished in black japan finish, striped neatly with gold bronze.

The Austin & Eddy Sash Hanging Attachment.

Austin & Eddy, Nos. 115 to 119 Broad Street, Boston, Mass., have introduced a new Sash Hanging Attachment. This was designed to secure sash ribbon to the weights and sash, in hanging balance windows. It is claimed that in this attachment all previous faults have been overcome; that it is simple and convenient to apply; that no injury is done to the ribbon, weakening its holding power, and the hold on the ribbon is positive. Sash hung according to this plan should last in satisfactory use the life-time of the builder.

The Success Lawn Sprinkler.

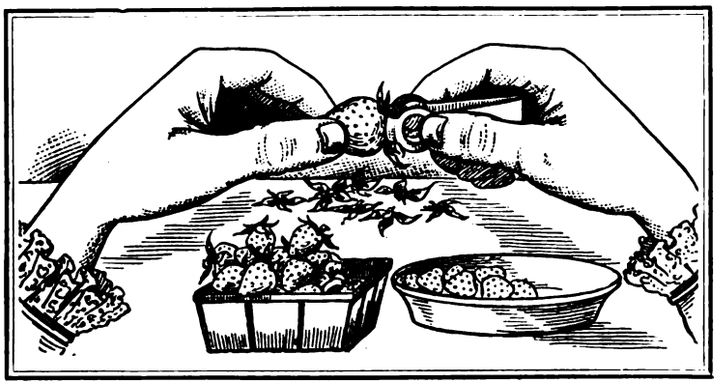
The Deming Co., Salem, Ohio, are introducing the Success Lawn Sprinkler, illustration of which appears here. This Sprinkler, the manufacturers state, throws an umbrella-shaped spray from 15 to 30 feet in diameter, according to pressure of water. It has no revolving parts to get out of order, and can be moved from one place to another by means of a cord and ring, without shutting off the water at the street washer. It is described as neat, durable and convenient. The nozzle and hose connections are brass nickel-plated and the sled is japanned malleable iron. Price, complete with cord and ring, packed in a neat box, $1.00.



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The Boston Strawberry Huller.

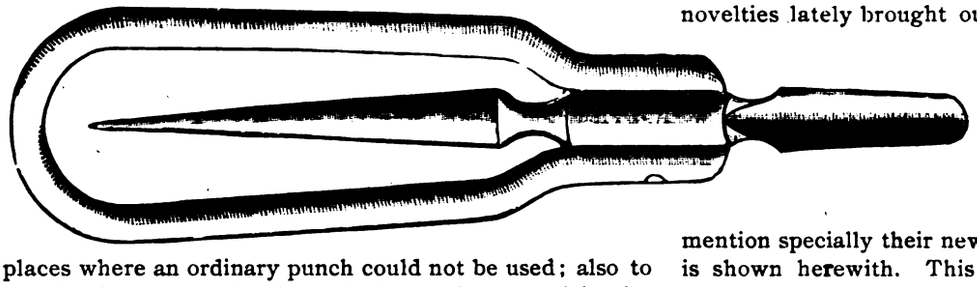
The Union Athletic Goods Co., Somerville, Mass., are putting on the market a Strawberry Huller, illustration of which is here shown. This little article works on the plan of the ordinary candy tongs, the pressure of the fingers



supplying the necessary force to draw out the hulls. The makers state that it saves all crushing of the ripest fruit when hulling, and keeps the berry in perfect shape intact for table use, and prevents that disagreeable soiling of the hands and nails when hulling the ordinary way. It is described as light, graceful, neat, easy to handle and perfect in operation. Price 15 cents, silver-plated.

The Coe Combined Belt Punch and Awl.

The accompanying illustration represents a combined Belt Punch and Awl offered by C. H. Sawyer Mfg. Co., St. Louis, Mo. The tool is made of Stubbs steel, well tempered and finished and of suitable size for the vest pocket. The design of the tool is to enable belts to be laced in



places where an ordinary punch could not be used; also to permit of a system of lacing belts by cutting a semicircular hole without cutting away any of the stock of the belt. It is explained that the lace will not come loose, that the joint is stronger and that the work can be accomplished quicker than in the ordinary manner. Round holes can also be made with the tool from ⅛ to ⅜ inch in size, combining three sizes of the old style. The awl is used for enlarging the holes for double lace and for all purposes for which a scribe is usually used.

Britton's Patent Combination Haft.

Horace E. Britton, Stoughton, Mass., is offering a Combination Haft, illustration of which is here shown The

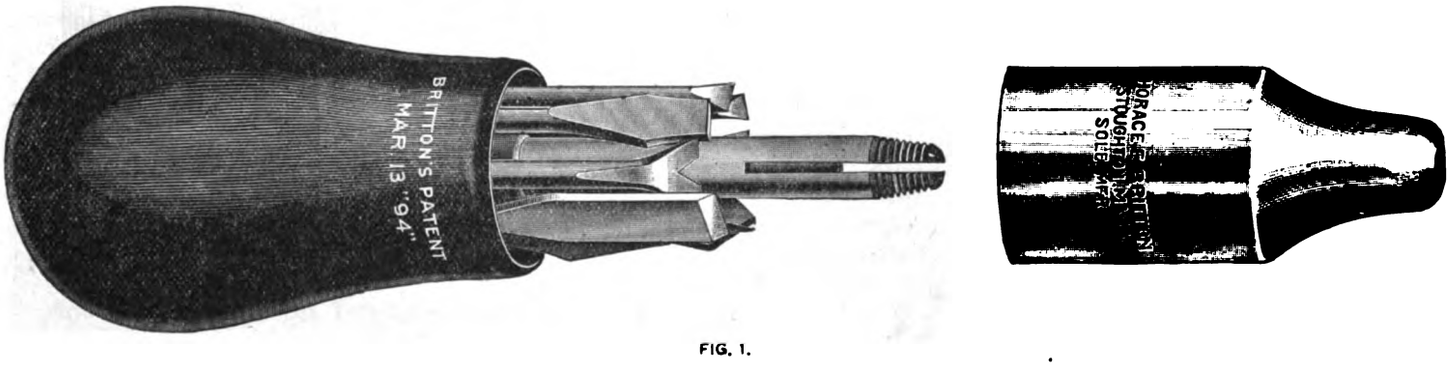


FIG. 1.

Haft contains eight tools including three brad awls, one chisel, reamer, screw driver, tack puller, and counter sink. These tools are made of large size tempered steel. The maker explains that the Haft has all the advantages of other hafts, "with the further advantage of its increased capacity for containing longer bladed tools in the receptacle and of their being more exposed, rendering them easy to

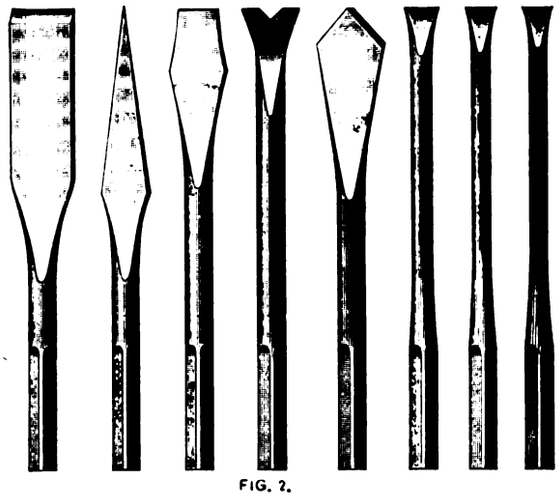


FIG. 2.

get at, and of closer wear, but is designed specially for large size tools." The metallic cap is nickel-plated and the handle is of rosewood.

Cream City Mug.

The Geuder & Paeschke Mfg. Co., well known manufacturers of tinware at Milwaukee, Wis., are compelled to largely increase their facilities on account of the rapid increase in their business. Plans are now being drawn for a new shop for the production of some of their sheet metal specialties, and as soon as this is completed the tinware factory proper is to be altered and enlarged, so as to give them much needed room for a larger output. Among the novelties lately brought out by this enterprising firm we



mention specially their new Cream City Mug, a cut of which is shown herewith. This article is well made and low priced, and will undoubtedly have a large run during the picnic season.

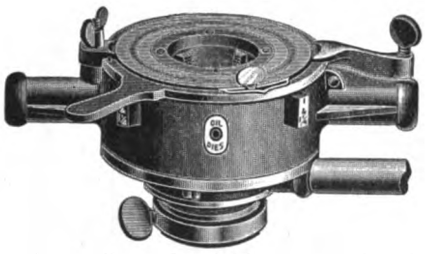
The Oster Adjustable Ratchet Die Stock.

The Adjustable Ratchet Die Stock here shown has just been brought out by the Oster Mfg. Co., Cleveland, Ohio. The adjustable principle is the same as that in use in the company's die stocks, which are already so well known. The new tool is intended for plumbers and steam fitters, pump fitters and other mechanics who have any occasion to thread pipes. It is arranged for use with two handles released from ratchet gear or with one handle as a ratchet tool. This enables it to be used as the regular shop tool

and also out of the shop for work in ditches and close corners where there is but little room to operate the handles. A simple but effective device enables it to be adapted to cutting either a right or left hand thread. It is fitted with

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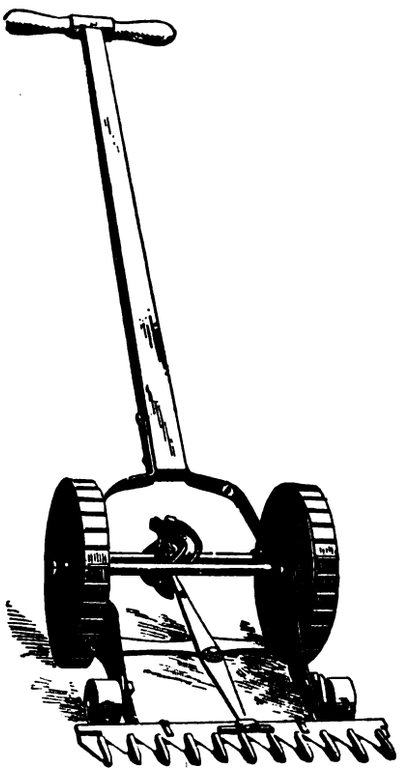
a leader screw to start the thread so that it can be operated satisfactorily by an unskilled workman. A positive stop enables the operator to thread any number of pieces of one size without resetting. There are no pockets in which chips or dirt can accumulate to clog the tool or retard the work.



The dies can be easily and quickly removed and sharpened on a grindstone. Oil holes are provided to admit oil to the cutting edge of the dies. Three sizes of this tool are made. No. 7 weighs 22 pounds and will cover 1 to 2 inches; No. 8, 60 pounds, 2½ to 4 inches; No. 9, 80 pounds, 4½ to 6 inches. These sizes the manufacturers expect to have ready for delivery on the following dates: No. 7 about June 1st; No. 8 August 1st, and No. 9 September 1st.

Pioneer Lawn Mower.

The Pioneer Lawn Mower Co., Norristown, Pa., are offering the Lawn Mower as herewith shown. The cutter bar of the mower is directly in front of the wheels. The wheels travel over the ground where the grass is cut, never rolling down the standing grass, while the small wheels at the side are to gauge the height one wishes to cut the grass. It is stated that nothing escapes the finger bars and fingers of the mower, as it progresses; that it gathers in the grass in nearly an upright position, and the vibration or reciprocating motion of the knives shears off the grass with a degree of uniformity; also that weeds, dandelion and plantain are



cut as closely and evenly as grass. It is explained that it only requires the same power to cut grass two feet high as it would to cut two inches, and cuts more closely to the moving of irregular surface and spaces, such as between posts of fences, walks and shrubbery, and that there is no use for the sickle or shears where the mower has been used. The mowers are made in 12, 15, 18, 21 and 24 inches.

Success Garden and Spray Pump.

The Deming Co., Salem, Ohio, are putting on the market the Garden and Spray Pump herewith illustrated. The pump can be used in greenhouses, gardens, vineyards and orchards; for washing windows and buggies, extinguishing incipient fires and for spraying poultry houses with whitewash, etc. The air chamber-cylinder and all working parts coming in contact with the liquid are made of brass. The bucket foot-rest is malleable iron. This pump has large air chamber space and is double-acting, throwing an absolutely continuous stream, either solid or in fine spray. The end of the hose connecting to pump is coiled with brass spring wire to prevent kinking. It is described as simple and durable. Price, $6.00.



The A. B. C. Can Opener.

The A. B. C. Can Opener Co., No. 111 Battery Street, San Francisco, Cal., and No. 256 Church Street, New York, are putting the Can Opener herewith shown, on the market. The blade of the opener is of tempered steel, and the whole is nickel-plated to prevent rust or corrosion. When used

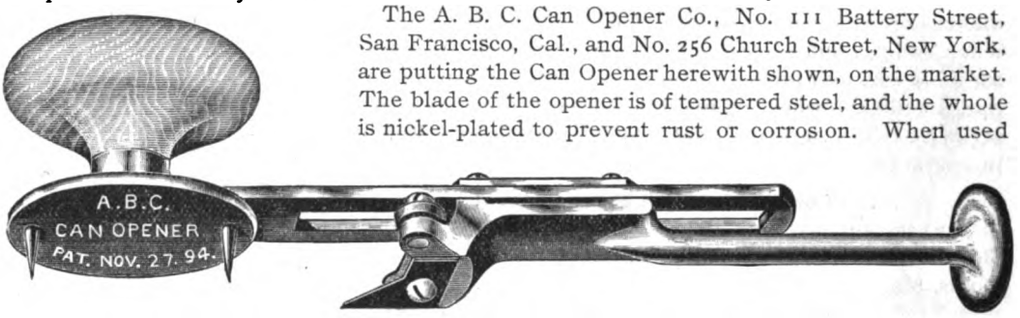


FIG. 1.

the prongs are forced into the top of the can, see Fig. 2; with one hand on the knob the blade is made to enter the can at the left of the seam, and a circular movement is described with the lever, keeping the friction roller against the can. The opener has a capacity from a 1-gallon can down to the smallest sized one, and may also be used to open elliptical-shaped cans as well, as the friction roller permits of the adjustment of the blade. It is explained that if the prongs are not within ½ inch of the center of the top of the can the opener will work equally as well for the above reason. The blade may be taken off for sharpening or for replacing it with a new one. The makers refer to the sim-

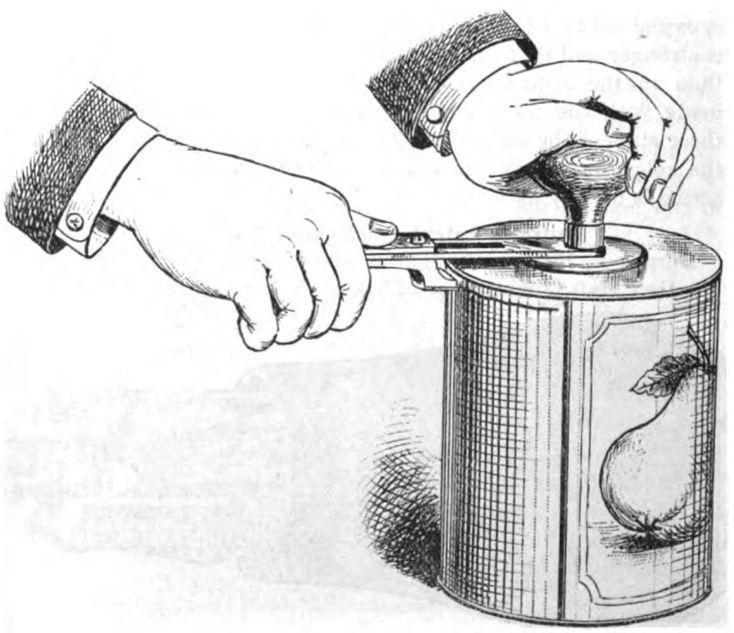


FIG. 2.

plicity of the opener; to the fact that there is no risk or danger connected with the use of the opener; stating that injury is impossible and that it takes off the top of the can, leaving the edge smooth and allowing the contents to be easily removed.

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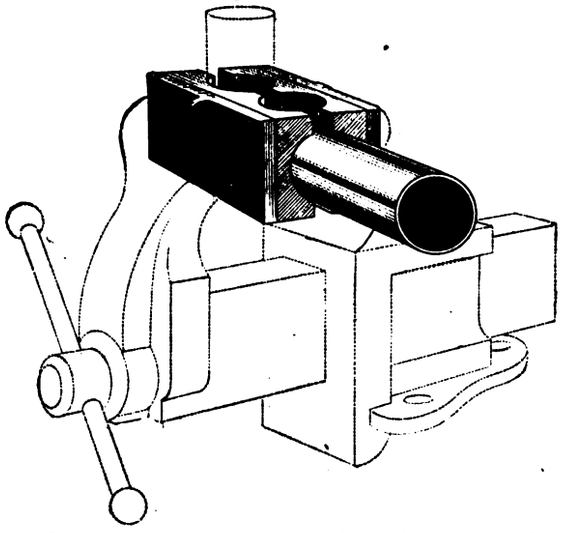
Ashley's Patent Ball Top Steam Whistle.

The Ashley Engineering Co., No. 136 Liberty Street, New York, are placing on the market the Steam Whistle herein illustrated. The bell is supported from its lower inner radius by the branching arms which is cast in one piece with the body of the whistle. The band upon which the bell or top of the whistle is screwed, is split between the arms, and when the bell is screwed over the split portion it compresses the band, which acts as a spring, and holds the top or bell in a firm position. By this arrangement the lower preffery of the bell is held in good alignment with the steam aperture. The makers explain that the most noticeable feature of this whistle is the top of the bell, which is cast spherical in form and gives the whistle a deep and pleasant tone which can be heard at a great distance. The valve can also be disjointed from the body of the whistle and used without the whistle valve as an ordinary whistle. They are made in all sizes.



Vise Jaws for Tubing.

The Newark Machine Tool Works, Newark, N. J., are offering the trade a small and effective device for holding tubing or any cylindrical which is too highly finished, or too delicate to be held in a pipe vise. The clamps are made of vulcanized fibre, rivetted to a backing piece of malleable iron. Half-round grooves are cut lengthwise and crosswise in the fibre, so that each pair of clamps will hold various sizes of tubing. A little projection is cast on the malleable iron piece to prevent the clamp and the work from falling out of the vise, when the vise pressure is relaxed. When the vise is loosened to take out or shift the work, the jaws open out, following the motion of the vise. The paper jaws nearly encircle the tubing, holding it so firmly that it cannot



slip, with no danger of distorting the tube, or marring the finish of the surface. The grooves in the jaws are made to order, to suit any required diameter up to and including 1½ inches.

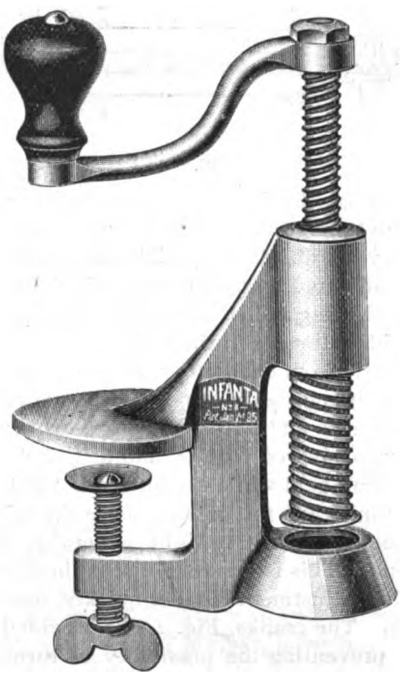
An impression has been gained by some that E. L. Haley & Co., Boston, are simply manufacturers' agents and carry no stock; that any goods ordered through them would have to be sent for, with consequent delay. This is entirely erroneous. The concern carries a full stock, and is prepared to fill all orders promptly.

Fuller & Christensen of Torrington, Conn., have begun work on the new knife shop. The shop is to be a two-story brick building 26x80.

The Northampton (Mass.) Cutlery Co. are to make an addition to their works. It will be 32x72 feet, and two stories high.

A Modern Cork Puller.

The Meriden Malleable Iron Co., Meriden, Conn., who are so well known as manufacturers of Cork Pullers, have introduced with great success the attractive and excellent article here shown. It is the Infanta No. 8, patented January 1st, 1895. All its parts are made of malleable iron and steel, and are described as having sufficient strength to stand any strain from ordinary use, thereby overcoming all liability of breakage. In reference to its particular mission, the company say: "There has been for some years a demand for a reliable Cork Puller of convenient size for family use at a reasonable price, and the Infanta has been carefully constructed to meet that want. The size and strength is all that could be desired, and at the same time it works so perfectly that any cork can easily be removed, even by a child." A better idea of its usefulness can be gained by a glance at the instructions appended for its operation: "With



the machine in position as shown in cut, turn handle to the right until the cork screw has entered the cork, and the elevating screw has drawn the cork from the bottle. Then turn to the left until the top washer on the elevating screw is locked against the top of the body, and the handle is at its highest point with cork screw inside of elevating screw, as shown in cut. The cork will then have dropped off and the machine will be ready for use again. In case a screw breaks or is worn out, it can be easily removed from the spindle with pliers, and a new one screwed in." Among the other articles made by the company, are their Rapid Cork Puller and Rapid Lemon Squeezers, designed for use in hotels, restaurants, drug stores, clubs, bars, families, etc. Full information as to the above goods, with prices, will be gladly sent by the manufacturers, upon application.

John W. Moore, a Hardware dealer at No. 369 West Madison Street, Chicago, was viciously assaulted by thieves early in the morning at Lake and May Streets. He was twice knocked down, but succeeded in beating off his assailants. After he had fired a shot at the highwaymen, two of them ran away, but a third remained and stabbed Mr. Moore seriously in the arm, shoulder and chest. The latter wound missed the heart by a sixteenth of an inch.

U. J. Ulery, London manager Clauss Shear Co., London, Eng.: "Your Fifth Anniversary number, gotten up in attractive and new clothes, is received, and I assure you, as your paper always is, proved very interesting to an American abroad."

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ILLUSTRATED BICYCLE NOVELTIES.

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When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Frazier Bicycle Features.

The illustrations here given represent some of the special features of the Frazier wheels, as used on the bicycles manufactured by W. L. Frazier & Co., Aurora, Ill. The

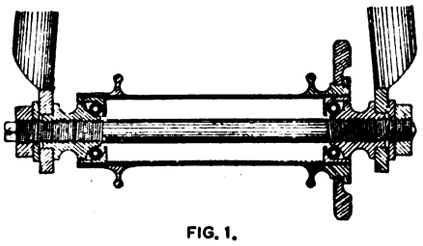


FIG. 1.

hub, Fig. 1, is of the large barrel pattern, "harmonious with the large tubing, and the ball cups are so placed in the hubs that they are absolutely parallel with each other. The bearings are adjusted by turning the spindle instead of the cones, one end being milled square for that purpose. The cones are held stationary in the forks and are made to approach or recede from each other by revolving the spindle. This obviates the necessity of poking the fingers down between the fork-side and hub in an effort to turn the cone which is always covered with oil and dirt, and it permits of the spindle being held while the nuts are tightened. It is well known that when the nuts jar loose the balls are liable to grab a cone and run it up tight, generally crushing the balls and cone. This is impossible with these bearings. A more sensitive adjustment is more quickly made than with the old style. The cranks, Fig. 2, are provided with hexagonal holes, preventing the possibility of turning or working loose and the usual key for attaching the cranks is dispensed with, making a much neater finish at the junction of the crank and shaft. The tubing in the frame is exceed-

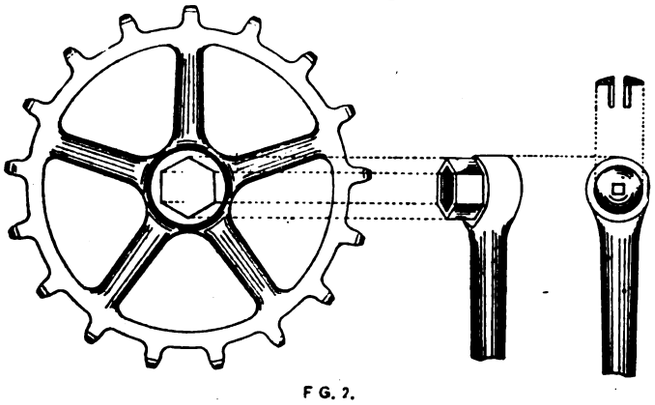
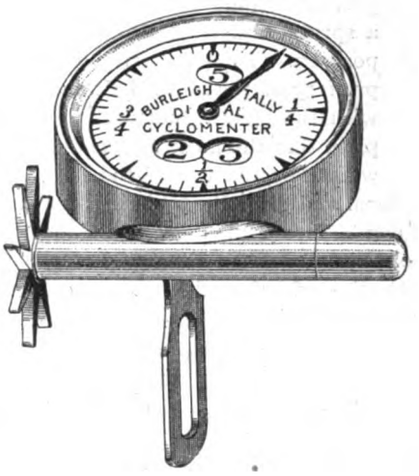


FIG. 2.

ingly stiff and strong. The main tubes are 1¼-inch, the horizontal tube 1⅛-inch and the rear forks ⅞-inch. The cranks and crank shaft, as well as cones and bushings, are made of the very finest steel and are carefully hardened."

Burleigh's Tally-Dial Cyclometer.

The Tally-Dial Cyclometer Co., Tilton, N. H., and Newport, R. I., are putting on the market a Cyclometer, illustration of which is here given. The manufacturers state that it is light, small, noiseless, accurate. It has a dial which can be read at a glance and can be set back by the holder of the detachable key only, therefore, the user of this instrument has no fear of those who would tamper with his record. It has another special feature, a tally-dial on the reverse side which can be used supplementarily for recording distances between special points,—hours, days, miles, or other items necessarily requiring written memoranda. Retail price, $2.00. This Cyclometer and the



watch carrier sold by the same firm, with a watch or chronograph, makes a speedometer which is referred to as "absolutely without the least friction, and a pace-maker which one can can have at hand and before his eyes at all times."

National Crank Hanger and Chain Adjustment.

The accompanying illustrations represent two features used by the National Cycle Mfg. Co., Bay City, Mich., on their 1895 National wheels. The crank hanger shown in Fig. 1 has a 5½-inch tread with 3½ inches between the ball races. The cups are ground inside and out after tempering, and joined by a threaded connecting tube, insuring their retention in a perfectly parallel position after being put into the machine. The cones are a part of the axle, ground to size after tempering. The distance between center of pedals and ball races is reduced to a minimum, and for ease of examination—the entire bearing being independent of the frame, it can be taken out and replaced in a few minutes by anyone. The balls are constantly running in oil, which, on account of the shape of the end of connecting tube, cannot escape

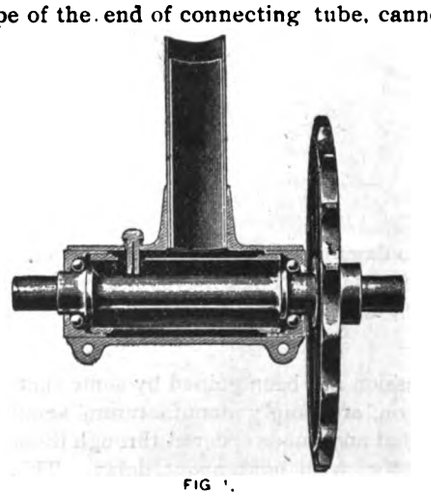


FIG 1.

from the cups and there is no opening into inside of hanger except through their specially designed dust-proof oiler, and the construction is such as to permit of lateral adjustment. It is explained that the sprockets can be lined up by slipping the entire bearing through the hanger in the direction required. The value of this point will be especially appreciated by anyone who has had his chain refuse to track as a result of an accident far from home. The entire bearing is independent of the hanger itself. The

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cups are neither pressed nor screwed in. The heat used in brazing cannot affect the position of the cups relative to each other, and by this method they are at all times parallel, all threads being absolutely true with ball races, permitting of no variance. In the chain adjustment shown in Fig. 2 the sides of the rear forked ends have teeth over which the scrolls on the inner side of the disk screw. These disks,

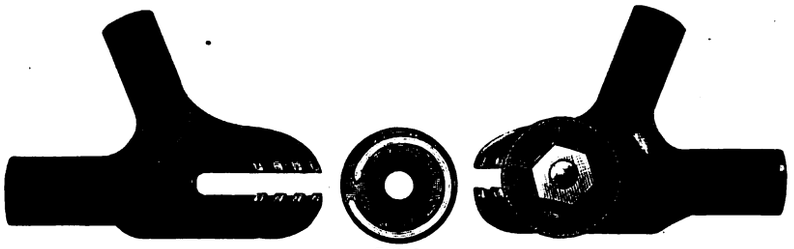
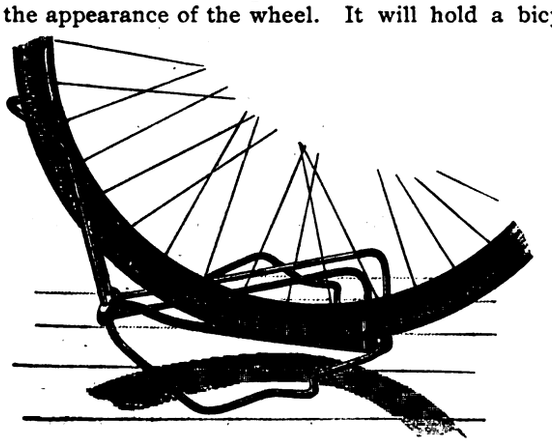


FIG 2.

by this motion, travel either forward or backward, as desired, carrying with them the axle which passes through them. The cones on axle are of the same size as these disks. Thus, when the wheel and sprocket are in a line, and the axle nuts are screwed to place, the entire rear end of the frame is securely locked. It is pointed out that the rear axle is locked on both sides of frame, and also that the engagement of the scrolls with the teeth locks it perfectly against both forward and backward strains. Absolute quality of adjustment of both sides is obtained by anyone, as the wrench is only used to loosen the axle nuts. An adjustment of one-thousandth of an inch may be made if desired. In making an adjustment, the operator turns both disks at the same time, and is in such a position as best to enable him to obtain a perfect alignment of his wheel and sprockets by sighting through the frame. A very important point of advantage is the possibility of removing the rear wheel without disconnecting the chain. By disengaging the scrolls from the teeth referred to the axle can be moved forward to the end of slot in the fork end, the chain can then be lifted from the larger sprocket, and the wheel left free to be taken from the frame. It works easily, quickly and accurately, and lends rigidity to the entire rear end of the frame.

The Diamond Cycle Stand.

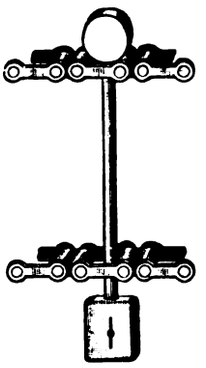
C. C. Finneran & Co., Painesville, Ohio, are putting on the market the Diamond Cycle Stand. Lightness, strength, durability, compactness, beauty, simplicity and self-adjustment to any size tire or wheel are some of the qualities claimed for this stand. It is movable, holds the bicycle perfectly rigid without being fastened to the floor, allows a clear view of the wheel; no part of it crosses or interferes with the appearance of the wheel. It will hold a bicycle



without inflating the tires. It is made of spring steel rods and is indestructible; weighs only four pounds, and occupies less width of space than the handle-bars. It is neatly japanned and is sold at $1, or in nickel, $1.50. Special prices are quoted to the trade.

Thief Proof Bicycle Lock.

The Anglo-American Iron & Metal Co., No. 213 Pearl Street, New York, are offering the trade a Bicycle Lock, which they claim is thief proof. In describing their lock they say: "Of the many so-called bicycle locks on the market there are none that are entirely free from defects and objections. The Thief Proof Lock is extremely simple; its method of fastening is through the links of the bicycle chain, making it utterly impossible to move the wheel. It



does not mar the enamel on the frame. Both ends of the lock revolve as on a swivel and thus make it impossible to obtain any grip in an attempt to wrench or twist it off. The lock proper is a strong lock on the Yale principle, and snaps on to the rod without the use of a key, the key only being required when unlocking. Neat and compact—of a shape easily carried in the pocket—being handsomely nickeled on copper, it is a quick seller and a good leader." For the trade, put up on attractive colored cards. Three locks on a card. Retail price, 75 cents each. Liberal discounts to the trade.

The Bills Were Gone.

J. P. Jaudon, who keeps a Hardware store at Fourteenth and Summit Streets, had a call from a stranger Wednesday afternoon and it cost him just $10.

It was about 4 o'clock. A man dropped in and said Dr. Brady, whose office is close by, "wanted a $10 bill for ten ones." He said he wanted the ten to send away in a letter.

Mr. Jaudon knew Dr. Brady well and was eager to accommodate him. He had no $10 bill, however. The best he could do was two fives. The man said this would do, took the two bills, folded them, and, drawing an unsealed letter from his pocket, he apparently put them in. At the same time he threw down a roll of $1 bills. Mr. Jaudon picked these up and counted them. The stranger moved toward the door, sealing his letter as he went.

"Hold on there," cried Mr. Jaudon. "You're a bill short."

"Eh!" said the man.

He counted the bills.

"Sure enough," he said. "Here, you keep the $10 till I see Dr. Brady."

He threw down the letter, gathered up the roll of $1 bills, and before Mr. Joudon could think twice was gone.

Jaudon looked at the letter. It was sealed up. It was addressed to Mrs. Jane S. Miller, 176 Lombard Street, Cincinnati, Ohio. It had the fullness that might be made by two $5 bills. Mr. Jaudon threw it in the cash drawer and went on attending to customers.

The stranger was gone a remarkably long time. In fact, he never did come back. Mr. Jaudon waited some time and then grew suspicious. He opened the letter—it contained two pieces of green paper. He had been "flimflammed."—*Kansas City Times.*

S. A. Haines, of the S. A. Haines Co., Indianapolis, Ind., has been appointed general sales agent for the Bryan Mfg. Co., Bryan, Ohio, manufacturers of the Champion Wheelbarrow. He has, with his accustomed activity, paid a visit to the leading cities of the West, and in June will be seen moving down upon those of the East.

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RECENT TRADE PUBLICATIONS.

The Clauss Shear Co., with headquarters in Fremont, Ohio, have issued from their English office, No. 34 Snow Hill, London, a new catalogue expressly prepared for the English trade. It is fully six times in size of that issued in 1893, and is an attractive presentation of a fine line of goods. It fully illustrates and describes their scissors, including the pocket, telescope, folding, embroidery, button hole, manicure, and other varieties; nail nippers, nail knives, nail files; shears of all kinds; tinners' snips; Clauss razors; serrated bread and other knives; meat saws; steels, choppers, potato mashers, bicycle and satchel locks, etc., etc. In a note, the company say: "We believe our resources to be unsurpassed. Our factory is practically new; was designed and built for making shears exclusively, and with the combination of ample capital, practical experience in the business, and an accurate knowledge of the best manner in which to use these resources, we feel we are beyond present competition in our ability to manufacture really good shears and scissors that will cut. While the best evidence of the excellence of our product is our constantly increasing and far reaching trade, still the award of medals and diplomas at the World's Columbian Exposition sets a seal of official approval upon our goods, both as regards their quality and finish. Our present factory was erected in 1890, and was built and equipped exclusively for the manufacture of shears, scissors, razors, tinners' snips, and constitutes the largest shears factory in the world as well as the one having the greatest capacity. On the back cover of this catalogue we show a bird's-eye view of our extensive factory. The floor space under roof is nearly 70,000 square feet. The entire plant is fitted with the most modern and expensive machinery, much of it especially designed by ourselves and built for our own work."

W. & B. Douglas, Middletown, Conn., with branches in New York and Chicago, have issued a handsome new special catalogue and price list of their Spraying Pumps, Knapsack and Garden Engines, and Insecticides. In addition to full descriptions and illustrations of these various lines of goods, it also contains much valuable information of a related character, standard formulæ, etc. As a specimen of fine typographic work it will hold its own with the finest catalogues of the year, being artistically printed upon heavy calendered paper. This old established concern—founded in 1832—manufacture two thousand varieties of pumps, hydraulic rams, water work supplies, and hydraulic machines for every use. In a prefatory note to this catalogue, the company say: "In presenting this special catalogue to the trade, we would say that we have been specialists in the manufacture of pumps and hydraulic machines for over sixty years, and following close upon the track of the scientific agricultural investigations of the past decade, we have given much attention to the subject of constructing Pumps for the purpose of meeting a growing demand of horticulturalists and agriculturalists for the best and simplest article to throw solutions of chemicals to destroy insects and the numerous pests that are making yearly havoc with the crops of the husbandman, and believe no better investment can be made by any person interested in this department of labor than by buying one of the Spraying Machines shown in this publication. It will pay ten times its cost."

The Meriden Cutlery Co., Meriden, Conn., have prepared one of the most artistic and most attractive trade publications of the season in their Illustrated Catalogue No. 8, of Table Cutlery, in pearl, stag, etc., with sterling silver trimmings. It contains thirty-nine full-page albertype plates, nine by thirteen inches in size, printed upon heavy card paper, and finished in first-class manner. These show their rubber handle knives, celluloid handle knives, ivory handle knives, solid steel knives plated, etc.; sterling silver ferrules, fruit knives, orange knives, nut picks, lemon knives, butter knives, children's knives, cheese scoops, pie knives, fish carvers, French cook knives, scale tang carvers, bird carvers, game carvers, ham carvers, etc.; steels, butcher knives, hunting knives, bread knives, and a line of elegant boxes for holding the goods described above. In a note the company say: "In presenting Catalogue No. 8, we feel confident that we show the largest and most complete line of fine goods ever grouped in one catalogue. We call especial attention to the goods in pearl, stag, etc., with sterling silver trimmings, .925 fine. The designs are patented, and we confidently recommend them as meeting the demand for an article which is first-class in every particular. It is our aim to constantly improve in style, quality, finish, and in methods of packing, and all goods bearing our name are fully warranted. With greatly increased facilities we are prepared to fill orders promptly. Our common goods are shown in Catalogue No. 7."

The Manhattan Electrical Supply Co., No. 32 Cortlandt Street, New York, have issued their illustrated catalogue No. 7, describing their Electrical Supplies. It contains over two hundred well filled pages, showing about everything that could be asked for under the descriptive title. The company say: "We make a specialty of open circuit batteries, nothing but the best retort carbon being used. All of the carbon used in our batteries is manufactured by ourselves, at our own works, and none but the very best as regards conductivity, etc., will be found in our batteries. We do not undertake to compete in prices on carbon battery electrodes, but confine ourselves to making a superior quality at a moderate price. Our carbon cylinder batteries are equal to the best imported, and we invite the most skeptical to make comparative tests. Our prices speak for themselves."

T. W. Root Publishing Co., No. 97 Charlotte Avenue, Detroit, Mich., are sending out a circular describing and pricing their new Hardware Price Books and cards up to date. They have mailed 10,000 of these to Hardware and other dealers interested. The leaflet furnishes an immense amount of valuable information to parties who are interested in the above lines of publication. The company state that terms will be promptly furnished, covering the cost of an edition of Hardware and tool catalogues. Eleven price books and forty-three price cards are described, and will be sent by mail or express, charges prepaid. They are referred to as simple and practical, as in very general use, and that their sale is rapidly increasing.

Thomas Slaight, Nos. 113 and 115 New Jersey Railroad Avenue, Newark, N. J., has sent out a leaflet showing his patent Railroad Locks, Brass Knobs, Keys, etc. He says: "Having been established since 1849 and continually increasing our floor space until now we occupy the spacious buildings located at 113 and 115 New Jersey Railroad Avenue, and 119, 121, 123 and 125 Green Street, Newark, N. J. We have confined ourselves principally to the manufacture of Locks, Knobs and Keys for Railroad uses. All of our goods are made of the best of material, and workman ship is unequalled."

The Wm. Frankfurth Hardware Co., Nos. 116–118 Clybourn Street, Milwaukee, under date of April, 1895, have issued a large and comprehensive catalogue of the extensive lines handled by them. These include oil stoves,

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refrigerators, farming tools, shovels, spades, scythes, cradles, screen doors, screen windows, lawn mowers, children's express wagons, baby carriages, etc. etc.

The Brooklyn Lock Co., Brooklyn, N. Y., are sending the trade a sheet showing in detail their Reversible Upright Rim Dead Locks, escutcheons, knobs, bolts, etc. They state that their latches have the improved swell in plug and key. Samples will be furnished jobbers for inspection, if desired.

We have received from the George Worthington Co., Cleveland, Ohio, a handsome new catalogue of more than one hundred and fifty pages, showing their full line of Sporting Goods. About everything that can be enumerated under the heading is shown therein.

The Buhl Stamping Co., Detroit, Mich., have issued a revised list and condensed catalogue of their factory and railroad Milk Cans, Can Stock and Dairy Supplies. It is a neat and handy work, and easy of reference for those interested in these lines.

"Nubian, the best black on earth," is the old familiar inscription on a little book just received from the Nubian Iron Enamel Co., Cragin, Ill. It is filled with interesting matter which amplifies the text upon the title-page.

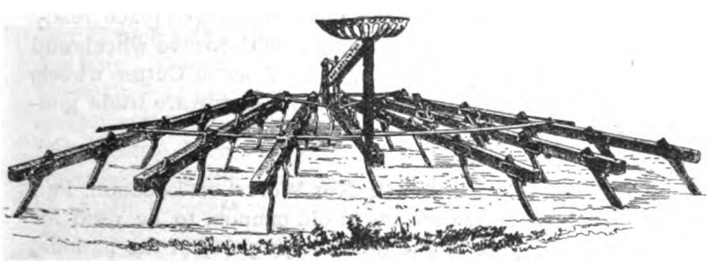
The Enterprise Mfg. Co., Akron, Ohio, have issued a large and handsome catalogue showing their full line of Fishing Tackle. Everything that any fisherman could ask for seems to be described and illustrated within it.

The Horton Mfg. Co., Bristol, Conn., have issued a catalogue of their Bristol Steel Fishing Rods. It gives full descriptions and prices of their well known line.

The Hamblin & Russell Mfg. Co., Worcester, Mass., have issued a catalogue showing in full their lines of Hardware specialties and wire goods.

The Heller Riding Harrows.

Among the tools used in agricultural and horticultural work, it is a generally conceded fact that a harrow is of great value in the preparation of ground. A harrow to be efficient must have good cutting power, and must thoroughly pulverize the ground to a depth of four or five inches, so that the dampness of the earth can reach the tendrils of



the plant. A cut is herewith shown of the Heller Riding Harrow, which is constructed on principles which have proven very satisfactory. Its cutting power is great. The draft is light, and it leaves the ground in a perfect state of pulverization. The construction of the teeth is slanting backwards, thus riding all trash under for manure, as well as facilitating its cutting power and making the draft light. The harrow is perfectly flexible and no two teeth follow in a direct line, so that every clod of earth is thoroughly worked and turned. It is made of the best of steel and "is indestructible as far as use is concerned. Has the cutting power of the disk harrow, and leaves the ground pulverized and level, which the disk does not do; will also work in any kind of soil, stony or otherwise. It can be turned in a very short space, and is easily adjusted." Is sold with or without a seat, and at a surprisingly low figure by the Heller Mfg. Co., Montclair, N. J.

Simmons Co.'s New Building.

The Simmons Hardware Co.'s new building on the southeast corner of Ninth and Spruce Streets, St. Louis, is rapidly nearing completion, and will be ready for occupancy in October. It is a massive pressed brick and stone structure, and will tower above the buildings at present composing the Cupples block. The Cupples Realty Co. is erecting the building, at a cost of almost $600,000. When completed it will far surpass any business block of its kind in that city. It is being erected on a strictly modern plan and specially arranged to suit the future occupants. By means of an iron bridge the new structure will be connected with the warehouse of the Simmons Hardware Co., located to the rear of the new building, fronting on Poplar Street. It will have a frontage of 150 feet on Spruce Street and will be eight and a half stories in height. The first and second floors will be used as offices and salesrooms. Heavy arched windows will give the structure a massive appearance. The cornice work will be of red granite, as are the trimmings on the lower part of the building. The structure will be strictly fireproof. The Simmons Hardware Co. have leased the building for twenty years, with the privilege of releasing at the expiration of that time.

Cleveland Twist Drill Co. Removal.

The following announcement carries its own explanation:

On June 1st we will remove from our present quarters, No. 102 Reade Street, to No. 99 Reade Street, New York city, where we shall place in charge of our Mr. C. I. Markham, a new and complete stock of our Twist Drills and tools; together with complete samples of our manufactures. By reason of our improved facilities and enlarged quarters, we hope to serve our patrons more satisfactorily than ever before.

Respectfully,

CLEVELAND TWIST DRILL CO.

Cleveland, Ohio, May 8, 1895.

The death is announced of James M. Hamilton, who was for many years prominently identified with the Hardware interests of Nashville, Tenn. He was born in Russellville, Ky., September 5, 1821, his father being Joseph Davie Hamilton, a leading member of a famous Kentucky family. He was fifteen years old when he went from Russellville to Nashville. He engaged in the mercantile business and continued in it with success until his death. He was the head of the firm of J. M. Hamilton & Co., Hardware dealers, and was probably the oldest merchant in Nashville. In all his long years of dealing he maintained a reputation for absolute purity and fairness in all business relations, and dies with a record in every sense worthy of emulation.

Says a Baltimore special: The boys in Wallace & Neitz's tin can factory struck because of a reduction in the wage scale. Strikers and proprietors met and the latter proposed a way to settle the matter. "We will toss up a penny," they said; "If you call it two out of three we will continue the 2½-cent scale until the last week of May, then we will give you the 3½-cent scale back again. If we win we will not raise the scale until the last week of June." The boys accepted the offer. Mr. Wallace tossed the penny. "Heads," called the strikers. Heads won. The next throw was "tails," but the third brought heads again and the boys won. The factory is in full operation.

On page 5 of this issue, the Mossberg Wrench Co., manufacturers of novelties at Attleboro, Mass., call especial attention to their American Knife and Scissors Sharpeners. These are articles very highly spoken of, and are sold with great success by Hardware dealers who have commenced handling them. Others who have not investigated will do well to write to the company for prices, particulars, etc.

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THE HARDWARE CLERK'S CORNER.

EDITOR HARDWARE: In reading an item on page 79 of your edition of April 10th, there is revealed an interesting feature which should command the attention of every Hardware clerk, because in it conveys a possible future for each and every one. To think of a house of many years' standing, going through changes as the years may compel (through death and other causes too numerous to mention) and still retain the clerks with a record of from twenty to fifty years' service. What does it say? In the mind of a young man of honest integrity, as he peruses the lines, he utters these words: "That's the kind of a house I want to work in." It gives a reputation and standing to such a house, as to create a desire among others outside to watch for the first opportunity to gain an entrance? There is another house which deserves attention, and which is a pleasure to watch, as the routine of business is carried on. The head of the firm can be seen moving in and out among the clerks, attending to duties the same as the clerks, and it makes no difference who comes in—all are treated in the same cordial spirit. Some of the clerks, who some years back were holding minor positions, are now holding those of trust, with the same bright look depicted upon their countenances and the same earnest endeavor to increase the interest of the firm who employ them. Hardware clerks what does this mean?

First: Stability of character.

Second: Unanimity of interest.

Third: Attention to business.

Any house having a number of clerks bearing the qualifications above stated, can without doubt stand the storms of many winters and in years to come show a history worthy to be envied. There is another interesting point connected with the clerk which is sometimes lost sight of, and that is that the firm should see to it that their clerks are educated up to the requirements their business demands, and fit them for the part they are to take, thus creating that mutual confidence which forms the basis of every good concern.

It is hoped that the above few lines will be of interest and will do the good intended. Fellow clerks, read HARDWARE, for it contains many things of interest to you.

Chambers Street, New York, May 15. HARDWARE CLERK.

LESSON TO A CLERK.

A seafaring man who was in Boston for a brief stay had a few purchases to make, one of which was a straw hat. Noticing a store where hats were displayed in the window, he went in.

"Have you a pretty good quality of straw hat that will fit me?" he inquired of the young salesman who came forward to wait upon him.

"Yes, sir," responded the clerk; and after a sharp look at his customer he brought out a straw hat of rather coarse braid. "This is about your size," he said, "and it's a good hat; rain won't hurt it."

The old man tried it on and then examined it carefully.

"Kind of coarse straw, ain't it?" he asked. "I wouldn't look much dressed up in it, would I?"

"Oh, it's a very fair braid; it's a hat you won't have to be careful of. You can stay out in the rain with it if you want to."

"Well, young man," said the would-be customer, laying the hat on the counter, "folks where I live know enough to go in when it rains, so you'd better keep this hat for some of your friends and relations, and show me a hat that I'll have to be a little careful of. I generally have an old hat I can wear if need be."

The young man accepted the lesson, and showed his customer a hat of the quality he had asked for in beginning. *Youth's Companion.*

CATCHES THE MEN, TOO.

The proprietor of a Fifth Street house yesterday told the new clerk to try his hand at window dressing.

"I want you to fix that window up so that every woman on the street will look into it," he observed.

The clerk was one of those clever little fellows that you read about in the city papers. He went at it. He made a curtain of solid black velvet and suspended it from the top of the plate glass close to the inner surface. "What on earth are you doing?" cried the senior member, happening to come along that way.

"Making a mirror of the window," complacently answered the clerk, as he shook out a fold very carefully. "If the women won't look at that then I'll miss my guess."

The clerk drew $3 more in his envelope at closing time.—*Cincinnati Tribune.*

Adjustable Glass Cutter.

The M. F. Hollow Handle Adjustable Glass Cutter here shown is being placed upon the market by the Millers Falls Co., Millers Falls, Mass., and No. 93 Reade Street, New York. In describing it the makers say: "The Handle to this Glass Cutter is hollow to receive extra cutters and pins, and is made from cocobolo, handsomely polished. The metal head is brilliantly polished and nickel-plated. The post in which the cutter wheel runs is made from hardened



steel, while the cutter wheels are made from the finest steel. Every part of this tool, except the wheels and arbor pins, will last a lifetime, and these parts can be bought for much less than the ordinary glass cutter. The handle contains twelve cutter wheels and three arbor pins. These wheels can readily be inserted by loosening the screw upon the face of the head and drawing out the post, when a new wheel may be put in and the post returned to place ready for use. Price of Handles complete with twelve wheels and three pins in each, per dozen, $12. Price of Cutter wheels per dozen, 40 cents. For sale by the Hardware trade generally."

The Pennsylvania Bolt & Nut Works of Lebanon, Pa., have received three carloads of old cannon, to be used for scrap. They were at one time the property of the national government, but now unfit for use. Some of them are very ancient in appearance.

The New York State Association of Hardware Jobbers, held their recent meeting in Utica, and were entertained at dinner at the Butterfield House by Charles Millar & Son, David S. Foster, and Wright, Dana & Co.

Herbert A. Hodgdon, Dover, N. H., is versatile in his business dealings. He has opened a combined Hardware and "gent's" furnishing store. If his customers don't want Hardware they can purchase neck wear.

At a recent meeting of the New England Hardware Dealers' Association, at the United States Hotel, Boston, a committee were appointed to investigate and report upon the question of prices.

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They Make Pneumatic Wheels, Etc.

The Crawford Wheel & Gear Co., Hagerstown, Md., have issued a neat catalogue describing their manufactures in the shape of pneumatic wheels, steel tabular gears, ball-bearing axles, fifth wheels, shaft attachments, complete running gears with pneumatic and cushion tires, etc., etc.

Speaking of ball bearing axles they say: "There is a demand for easy running vehicles. The sulky has demonstrated that ball-bearing axles and pneumatic tires reduce the draft fully 60 per cent. and many claim 72 per cent. The adjustment of the bearings in sulkies being exactly like the bicycle adjustment, was not to be thought of (owing to its complications), in connection with ordinary vehicles when cared for by inexperienced men. In designing this ball-bearing axle, the aim has been to construct the best adapted for all kinds of wheels. Realizing that ball bearings are comparatively new to the trade every effort has been made to produce 'a ball-bearing axle' simple in adjustment. The following advantages are claimed for the Crawford axle: It is adjusted by screwing in the cap screw the same as any ordinary axle. It is dust and water-proof; the latter is very important, as the water must be excluded while washing or the balls will rust and wear. All parts are interchangeable and can be duplicated. All wearing parts are thoroughly hardened. It requires less cutting of hub than any other ball-bearing axle. The axle is carefully adjusted before leaving the factory. All that the user is required to do is to screw in the cap screw until it bottoms in the recess in end of spindle, and the adjustment is perfect, positive and practical. The annoyance of adjusting nuts to a nicety is done away with. The wheels can be taken off in the ordinary manner; the balls cannot fall out or become displaced. We sum up our claims as follows: Simplicity of construction; ease in handling, cleaning and repairing; freedom from wear; water and dust proof qualities; last, but not least, the manner of adjustment or rather the absence of it. We manufacture the following sizes: ⅝, ¾, 13-16, ⅞, 15-16, 1, 1 1-16 and 1⅛ inches."

Pneumatic tires are discussed in the following minute manner: "After a long series of experiments, we arrived at the conclusion that the Hartford Single Tube Tire is the best so far produced, for use on vehicles, and have therefore adopted it as the base of our special non-creeping tire. The Hartford Rubber Works Co. are manufacturing it for us, with our special non-creeping device, in three different weights under our own brand, 'The Crawford.' No. 1.—Our 28-inch sulky tire will weigh approximately 3½ pounds per pair. Each tire is made of pure sea island fabric, an inner layer of pure rubber and an outer layer best adapted to give strength and wearing qualities combined with speed or resilience. This tire being made with a view to speed for track use alone, combines all resilience that it is possible to obtain, together with sufficient strength to insure perfect reliability. No. 2.—Our 28-inch sulky and cart tire is composed of two layers of nineteen ounce fabric, square weave, put in on the bias; a heavy inner layer of pure rubber to form the air tube. Also, a very much heavier outer layer of rubber than used on the sulky tire, being considerably thickened up on the tread. These will weigh seven pounds per pair, and are especially adapted for use on training sulkies and carts, and careful road work such as driving to and from trains or track. No. 3.—Our carriage tire is composed of three layers of twenty-six ounce fabric, with a still heavier pure rubber inner layer and a complete outer coating of heavy rubber, two inches in diameter, and is made any size from 28 to 46 inches. Our 34-inch tire will weigh about seven pounds, and is practically indestructible for general road use, being strong enough to withstand a bursting pressure of five hundred pounds to the square inch, and will not be hurt by driving over either macadamized or country roads, as we tested them up to thousands of miles during the past year without their becoming punctured or deflated. One set which has been in constant use for six months has not required the slightest attention, although having been driven through mud and over rough, frozen roads. All the above tires are fitted with our special non-creeping device which has entirely overcome the greatest objection so far known to the use of pneumatics, namely, that *creeping on the rim*, causing the valve to pull out or become inoperative." Several other articles are described in a like interesting manner.

"Sootene" 26156.

The word Sootene has been registered as a trade-mark with the above number. Mr. Givens informs us that the demand has been so great he has been compelled to enlarge the plant for making it. Orders have come to him from every part of the country and from abroad. "Sootene used every week day and Sundays as well brings peace and prosperity. A spoonful sprinkled on the hot coals will make them glow with increased fierceness. No clinkers, no pipe full of soot, and no worry over a stove that will not bake. It is an indispensable article in a family that has tried it once. Sootene can be sold at a good profit by all general merchants. Once introduced it will take care of itself." See the advertisement on another page and write the manufacturer, Royall Givens, Corpus Christi, Texas, for a sample box.

The following announcement, under date of Nashville, Tenn., April 25th, carries its own explanation: "The purchase of the hoe factory at Nashville, Tenn., formerly owned by the Lewis & Babcock Mfg. Co., is announced. These works will be started up about June 1st, next, and will be operated by the Withington & Russell Co. The officers of this company are as follows: W. H. Withington, president; T. H. Russell, vice-president; P. H. Withington, secretary and treasurer. Mr. Thos. H. Russell, for twenty years connected with the Withington & Cooley Mfg. Co., will take the general management of the works at Nashville, and will have under him competent and experienced men. These works will be run with especial reference to the needs and wants of the Southern trade, and the management hope to win the good will and patronage of the buyers of Handled Hoes and other Steel Goods throughout this section of the country."

A dispatch from Portland, Me., says: A contract has been closed whereby the John P. Lovell Arms Co., of Boston, purchased the unused Portland plush mill at Cape Elizabeth, through ex-Gov. Robie, the president of the First National Bank. This big brick factory will be utilized, first for the manufacture of ether launches, and ultimately the Lovells are to build another large factory for the manufacture of bicycles. It is expected that several hundred men will be employed.

The Hitchcock Lamp Co., Watertown, N. Y., have placed a contract with Haley, Ward & Burns for the erection of a new brick building on Factory Street, south of the Hitchcock Lamp Co.'s present works. The building will be two stories high on Factory Street and three stories in the rear. It will have a frontage of 126 feet and will be 36 feet deep.

A company has been formed at Webster City, Ia., to utilize the barbed wire fences with which that State is covered for telephonic purposes. The experiment was tried on a line of fencing twenty miles in length, and was a success.

The Berlin Iron Bridge Co., of East Berlin, Conn., are putting up a new car barn for the Wilkesbarre & Wyoming Valley Traction Co., at Wilkesbarre, Pa. The building will be 73 feet in width and 233 feet in length.

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SOUTHERN HARDWARE JOBBERS' ASSOCIATION.

A. D. Langstaff, Memphis, Tenn., president of the Southern Hardware Jobbers' Association, has issued a call for the annual meeting of that great body, to be held in Louisville, Ky., on June 11th, 12th and 13th. In the call, the president says:

While we very fully appreciate the generosity of the Pittsburgh Chamber of Commerce in extending invitation, it is very evident that there will be a larger attendance of members at Louisville, because of its more central location, than could have occurred at any other city, and for this reason better results will follow.

I therefore announce that the next annual meeting will be held in the city of Louisville, Ky., on June 11th, 12th and 13th.

I have been watching with great interest the course of events since our last meeting, and am not surprised that the results have not been as beneficial as we then expected.

A powerful influence beyond the control of the members, beyond the control of the manufacturers, beyond the control of any human agency, prevented some of the plans there formulated from being fulfilled. I refer to the depreciation of values that has during the past three years has irresistably swept away our hard earned profits, as the avalanche sweeps away the homes of the dwellers on the mountain side.

It has been possible for us to reduce the expenses of our business; it has been possible for us by increased watchfulness and investigation to prevent losses by declining orders from doubtful customers; it has been possible for us to change our methods of business from the inherited plan of selling goods on long time, and when due, frequently settling that indebtedness by note, which in many cases was renewed, and which like all things human decreased in strength as it increased in age; substituting therefor improved methods and removing the factor of "long time" and "renewable notes" and appointing instead "short time" and "prompt payments."

The prices made to-day based on the values of to-day had to be reduced to meet the depreciated values of the succeeding day, hence it was impossible to permanently hold agreements in reference to prices. These conditions have been very discouraging.

It is evident, however, that this profit-consuming element "depreciation" has "struck bottom," and that advancing values as evidenced by reports received daily from manufacturers, have "called the turn." This changed condition will enable the Association to successfully accomplish many things that have been impossible and impracticable.

I will first submit for your consideration the subject, "Relations of Manufacturers and Jobbers," and request that you thoughtfully consider in what way these relations might be improved, and that you transmit to me within four days a full and complete report of same, giving names of manufacturers interested.

I will compile this information and will arrange it for ready reference to be submitted to a committee in Louisville.

I will invite the manufacturers whose names you may mention in this connection, or whose names you may suggest, to attend the meeting in Louisville, to confer with the committee and the Association for the purpose of removing any conflict of interests that may exist. There is no question but that the manufacturers are anxious to attend and confer with the Association. I have already received inquiries from them relative to time and place of meeting. I know that you are alive to the vast importance of this subject.

May I, as your president—willing to do all in my power to make the meeting beneficial—urgently request that you do not postpone answer to this letter, but that the several members of each firm confer together *at once* and advise me as suggested within the time specified.

As soon as I have your responses, I will submit other subjects, the discussion of which will undoubtedly be of great advantage to the members. Let us each put our shoulder to the wheel with all the intelligence and earnestness that characterized our efforts at former meetings and greater benefits will follow.

Will you do it?

I am now speaking direct *to you* and not in a general way, as is sometimes understood by a circular of this character.

Will you *encourage* me to feel that you are *interested* in the Association, and that you will do all you can to make this a business convention?

Very truly yours,

A. D. LANGSTAFF, President.

Peters Nitro Shells.

The Peters Cartridge Co., Cincinnati, Ohio, whose agents are J. C. McCarty & Co., No. 97 Chambers Street, New York, are putting on the market a new Paper Shell especially adapted for use with nitro powders. From the accompanying illustrations, it will be seen that it has special features of construction. "Instead of being strengthened by a wide metallic rim on the outside, as such shells have heretofore been made, this shell is reinforced with paper specially prepared for the purpose, being made exceedingly tough and strong. This reinforcement is inside the shell, as indicated in Fig. 1, the sectional view showing the manner in which the shell is made. The manufacturers call attention to the fact that the paper reinforcement, while giving all requisite strength, yields slightly under the stress of the explosion of the powder without injuring the shell in the least. We are advised that tests have been made in regard to the strength and durability of the shell, and with such satisfactory results that the company recommend it without reserve."



FIG. 1.



FIG. 2.

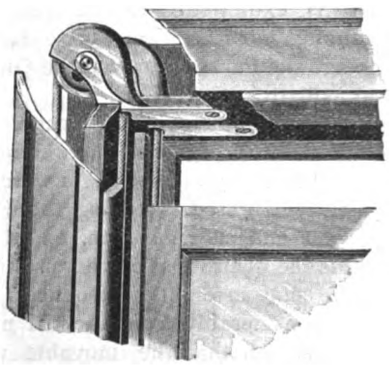
N. P. Hayes, Hardware dealer, New Bedford, Mass., is opening a new store at No. 382 Acushnett Avenue, directly opposite the side entrance of his present store, in which he will have a full line of heavy Hardware and mill supplies. He will build a conduit under the street connecting with his present store through which he will run a cash system, speaking tubes and electric calls, so that business from both stores will be attended to in one office.

Benjamin S. Alder, late of Surpless, Dunn & Alder, New York, announces under date of May 8th, that he has severed that connection, and associated himself with J. C. McCarty & Co., New York.

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Shull's Overhead Axle Pulley.

The cut here shown illustrates a pulley for windows cut through the head of the frame and resting direct on the end of the pulley stile. The makers claim that "this pulley has a number of advantages over any other now used. The housing resting square on the end of the pulley stile cannot be displaced by the weight of the sash and balance, the screw only serving to hold the pulley in position when not loaded. By the rigid bearing secured, the pulley runs steady and noiseless. From six to ten inches more room is secured for the weights, frequently obviating the use of lead for weights. When the upper sash is closed and the inside stop-head extended to meet the upper sash, the pulleys are entirely concealed and not required to correspond in finish with the balance of trimmings. Insects and air are prevented from passing the pulley. Opening for pulleys in the frame are cut without the use of special machinery, and in one-fourth the time required to cut in any standard high grade pulley applied in the usual manner. Different sized pulleys get the same opening. Pulleys can be taken out and replaced more readily than pulley cut into pulley stile. Sashes do not have to be plowed to pass over the pulley. Weight can be attached near the top of the sash, securing a steady easy movement of the sash. Housing extends over the pulley so the cord cannot get off. Cord can be applied without the use of a mouse." This pulley is manufactured by F. W. Stevens & Co., No. 146

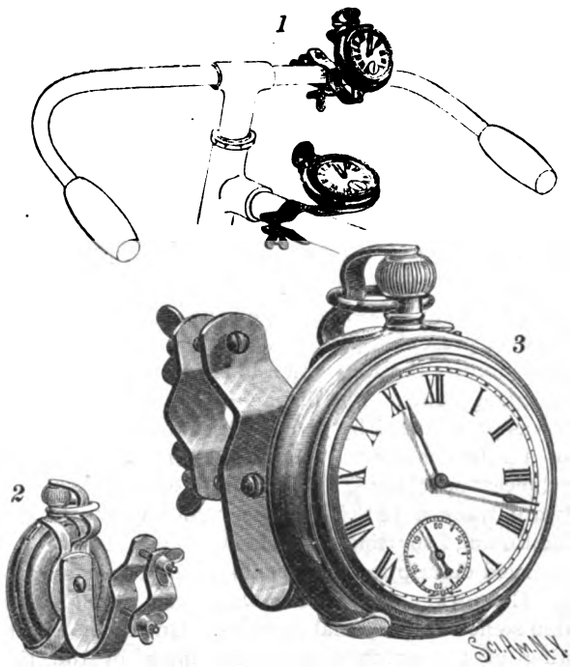


Franklin Street, Boston, in the following sizes: 2 inches, 2¼ inches, 2½ inches and 3 inches for both cord and metal tape, 2½ inches and 3 inches for metal tape with anti-friction bearings specially for large windows. Special pulleys for Mullion frames by which the sashes are operated from one side of the frame and special pulleys for segment and circle top frames are made. All their wheels "are drilled, then rimmed to a standard size, then turned from this centre, insuring perfect workmanship. Face of wheel of special design to prevent cord from chafening. All pulleys have large steel axles tumbled in plumbago, before used to give a smooth bearing and prevent cutting. No time or money spared to secure first-class goods. Prices sent on application."

Numerous Bicycle Sundries.

Robt. H. Ingersoll & Bro., No. 55 Cortlandt Street, New York, have demonstrated what an immense number of things come under the heading of Bicycle Sundries, in their spring catalogue just issued, and devoted to that line of goods. It contains sixteen pages of closely printed matter, amply illustrated, and showing everything that a bicycle dealer would care to handle, or a bicycle rider use. Among the many things may be noted bicycle watches and watch holders, cyclometers, drinking cups, lamps, lamp brackets, bells, screw-drivers, locks and chains, oilers, wrenches, trouser guards, toe clips, handles, repair outfits, tire tape, cement, lubricants, knives, pocket cook stoves, luggage ties and carriers, belts, caps, whistles, skirt holders, oils, etc., etc. It is a catalogue that should be in the hands of every dealer who is liable to have calls for anything in this line.

Among these many things, special attention may be called to the Climax Bicycle Watch and Holder, illustration of which is here shown. The makers describe it as "an indispensable companion to your cyclometer—a silent pacemaker right before your eyes." In further description of it they say: "The very latest, and, in every respect the best time-telling outfit for bicyclers, for two simple reasons. First, the watch is the best, and, barring our other watches, the only one, regardless of price, that will keep time on a bicycle. Second, the Holder is the most secure, simple, practical and light. Our Watches are the best, because they have no fine adjustments, heavy wheels, nor fine pivots. They will stand any amount of banging and shaking without losing or gaining a minute a day. We strictly guarantee them to keep accurate time on any road. The Climax is stem wind and stem set; regular 18 size (diameter, 2⅛ inches); weight only five ounces complete; can be wound and set without removing from holder. The movement is American lever, and the same as used in over one-half million of our watches sold in the last three years. May be



had in gilt or nickel, plain or fancy cases; Roman or Arabic dial. The Holder in plainly illustrated in cut. It attaches quickly to any part of the handle-bar or frame. The two lower fingers reach well over to the crystal, holding the bottom of the watch firmly. The upper fingers straddle the stem, preventing all side play and holding the watch firmly in the clutch of the lower fingers; the upper spring holds ring at a good tension, locking the watch firmly in at every point and preventing the slightest noise or rattle. There is no getting out for a watch placed in this holder; but by releasing the ring, which takes an instant, every obstruction is removed and the watch drops out. The advantage of quick removal is great, enabling the owner to carry watch in pocket whenever not in use on wheel, and for this use the multitudes now carrying them will attest their merit. With a pair of pliers this holder may be fitted to any case. Holder may also be fitted to any part of frame. Retail price, complete, $2.50; net trade, $18.00 per dozen."

It is reported from St. Albans, Vt., that "the Montpelier Hardware Co. are negotiating with other towns in the State regarding the moving of the business from Montpelier. The company considers itself unjustly taxed, and other towns are offering it strong inducements, so far as taxation is concerned. This company is one of the largest of its kind in the State."

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THE FIRST SPORTSMENS' EXPOSITION.

The First Annual Sportsmen's Exposition has come and gone, and in every particular was a bright and shining success. The attendance figures footed up the grand total of 55,000 and, to use a slang expression, the management are financially "ahead of the game." Certainly a most instructive form of amusement has been inaugurated, and it should be a matter of local pride to Gothamites to know that the project took root and was fostered in this great city of ours. There has been too much of a tendency to make the words "Sportsmen" and "Sportingmen" synonymous. This confounding of the two words is a rank injustice to the lovers of sport at large. The true meaning of the word Sportsman is "a person who is fond of, patronizes, or participates in honorable field sports, especially hunting and fishing." A Sportingman is essentially a gambler. As soon as these two words are thoroughly divorced in the minds of our people, the true loyal sportsmen, a class, forming the backbone and sinews in a good many of the States, will be more thoroughly appreciated.

There were no complaints from the exhibitors, as to the treatment accorded them by the management, and they all say with one accord, that they will make the next show "a daisy." It is but fair to say that the projectors should receive a great amount of praise for bringing the Exposition to a successful termination. The only accident of any kind that occurred to mar the serenity was the breaking loose of the packhorse from the wild and woolly West. The exhibits were so well arranged that it is doubtful if the Garden ever presented a more attractive appearance. As an annual fixture the Exposition bids fair to rival either the Horse or Dog Show. The display of mounted animals and heads was pronounced by good judges to be the best outside of a public museum. Many wealthy sportsmen lent their choicest specimens. But of far more interest to the Hardware trade were the displays made by the firearms, ammunition and sporting goods companies.

A detailed description of the exhibits appeared in a recent issue of HARDWARE, and we have but space enough now to mention some of the special features. One of the most interesting of the exhibits was that made by the Union Metallic Cartridge Co., of Bridgeport, Conn. and New York. It occupied a large space, and displayed in an attractive manner the articles made at Bridgeport. At one end of the space was an old cannon of the Revolutionary War period, that bore marks of having done good service. It was dug up in Germantown, Pa., where for many years it had been used as a hitching post. Close beside this antiquated gun was a pyramid of cannon balls, piled arsenal style. At the other end of this space was to be found one of our modern death-dealing contrivances, one of the famed Driggs-Schroeder breech-loading six-pounders. The piece of four-inch Bessemer steel near this gun, silently, but conclusively attested to the penetrative force of the projectiles hurled from this modern wonder. A comparison between the Revolutionary gun and the armor piercing monster will show the merest tyro what gigantic strides science has taken. In the middle of this exhibit stood an octagon-shaped base from which rose four slender pillars, which in turn supported a crown-shaped top. The whole was constructed of ebonized wood decorated in gold. Within the case thus formed was an eight-sided column which gradually tapered toward the top. On the sides of this column arranged in straight lines, were the products of the Bridgeport company. In this manner were displayed wads, primers, shells and cartridges of all kinds, some having transparent celluloid insertions in sides to show the size of the load used and the kind of powder. The center column was flanked on two sides by cases of a similar kind, only smaller, but filled with articles of a like nature to those in the center one. The busy man of this company, J. A. H. Dressel, was occasionally seen, and he was greatly pleased with the attention the display excited.

The Remington Arms Co.'s display was one of the largest and finest in the whole show. In a long case were shown the celebrated Remington shotguns. These guns are noted for their accuracy and power, coupled with a low price which puts them in the reach of all. They are patterned after the most approved English models, which are admitted to be as good as any. Besides guns, the Remington Co. showed a full line of military rifles, supplied to the United States for both army and navy, also to China, Turkey, Spain and other countries. These arms were arranged on revolving racks, which method made inspection easy.

The Ideal Mfg. Co. were on hand with a handsome case filled with their well known loading tools for guns, revolvers and rifles. They also exhibited their new closer.

The gun exhibit made by Parker Bros. attracted an unusual amount of attention, and lovers of guns fairly gloated over the specimens exhibited. In the case were some seventy guns, ranging in price from $50 to $400. It was but a short time ago the Parker gun won the Grand American Handicap at Willard's Park, N. J.

The Bridgeport Gun Implement Co. occupied spacious quarters and exhibited in a large case the different loading implements manufactured by them, and for which the company are so justly celebrated. Among these tools was seen the new powder and shot measure, called the Micrometer. It registers the quantity of powder used in fractions of drachms and the shot in eighths of ounces. The new contrivance differs considerably from the old powder and shot measures, inasmuch that the movable cup works in a circular manner on a screw thread, which is moved up or down by a circular movement upon the screw thread. When at the proper point for the charge desired, a turn of a set screw holds it firmly in place. This avoids the possibility of an increase or decrease in the load, which was liable to happen in using the old up and down sliding motion of the cup. The New Rapid Machine Loader was also to be seen. It has been adapted for loading nitro as well as black powders. The great number of cleaning rods made by the company were a display in themselves, the ebony ones being particularly handsome.

The powder manufacturers were well to the front. The display made by E. L. Du Pont de Nemours & Co., Wilmington, Del., was a striking one, and did not fail to catch the eyes of all. In the rear of this space was a huge mirror, before which were arranged, in a highly artistic manner, powder kegs of various colors. In glass bottles were to be seen the ingredients of powder, including saltpetre, charcoal, sulphur and willow wood. In the showcase in the front of the space were shown rifle, shotgun and cannon powders manufactured by this enterprising company; also a smokeless powder for the 36 calibre Government cartridge, and one for use in the 22 calibre cartridge. A 44-40 Winchester rifle was conspicuously placed on the top of the showcase. A hundred shots had been fired from this arm with the Dupont smokeless rifle powder, and to the ordinary observer the barrel looked as if it had but recently been cleaned.

The articles shown by Hulbert Bros. & Co., New York, embraced a wide field. One of the novel features of this exhibit was the Kenwood sleeping and camping bag.

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Sportsmen were favorably impressed with the qualities inductive to the comfort of a user when exposed to the weather. This firm also showed a complete line of athletic goods that delighted the hearts of our sport-loving people. The cameras, fishing tackle and revolvers shown were also very fine.

The features of the Colt Patent Fire Arms Co.'s display consisted of two specimens of the annihilating machines of modern warfare—a Gatling gun of the same model as the one used with such deadly effect in the Turko-Russian war, and a new weapon known as the Colt automatic gun. This gun is of a peculiar mechanism, and of small calibre. It has stood some wonderful tests. This weapon is mounted on a tripod. The grip is similar to that of a revolver and the gun is discharged by pulling a trigger. The cartridges used are very small, and are fed into the gun on strips of canvas. The gases released by the explosion open the chamber again. This is brought about by the gas escaping through a small opening near the muzzle. A continuous pressure on the trigger makes an uninterrupted discharge.

Perhaps the display that excited more real curiosity than any to be seen was the pneumatic ducking boat exhibited in a tank by A. G. Spalding & Bros. These unique contrivances are made of rubber, and resemble a tub in shape, with a huge pair of rubber boots extending from the bottom, in which the occupant's feet and legs are incased. This gives the user's body an upright position, and leaves his arms entirely free to handle his gun. One the side of the boots are flaps which close up when the legs are moved forward, but which open when a backward kick is made, thus offering a resistance to the water and supplying the motive force. One of the boats would be of great use in reedbird shooting as well as ducking.

An exhibit that aroused the enthusiasm of all loyal Americans and made the Englishmen who visited the Exposition devoutly hope the *Valkyrie III* will take back the Americus Cup this year, were the trophies won by the *Vigilant* in English waters, and displayed by the Meriden Britannia Co.

A large crowd was always in attendance at the stand of the Victor Athletic Goods Co. Fair visitors all displayed interest in the process employed in the manufacture of tennis balls, etc., which were made here.

New York is the home of many strong and influential gunning clubs, and around the temporary home of the Cleveland Target Co., Cleveland, Ohio, could be found many of the crack shots. The space occupied by this company was artistically draped in black and yellow. A novelty introduced here was in the form of the company's celebrated trap targets, with the pictures of representative shooting men placed on the center of the targets. Traps were also shown.

The old and well known firm of Schoverling, Daly & Gales, No. 302 Broadway, New York, had a large and well assorted exhibit. The firm represents several concerns.

The Chas. Daly three-barrel guns attracted a good deal of attention, as did the picnic baskets shown at this space. But to the writer's mind the case containing the rifles and revolvers displayed by the Marlin Fire Arms Co., for whom Schoverling, Daly & Gales are agents, bore off the palm. The beautiful appearance of some of the rifles, especially those with the birdseye maple stocks, was calculated to awaken the greed of possession in one's soul.

The five cycloramic groups arranged by Frederic S. Webster, the secretary of the Association, very justly came in for their share of admiration. It is needless to say these groups represented realistic scenes and aroused pleasant memories in the breasts of some of the hunters and fishermen.

The log cabins of the United States Cartridge Co., and the Maine Central Railroad, were as a general thing, crowded with visitors. At the first-named establishment were to be found the most celebrated guides and trappers from all parts of the country, and at intervals during the silence of the orchestra could be heard the weird though not unmusical moose call given by some of the guides for the edification of the visitors. Two well-dressed gentlemen were heard to remark "that there must be something alive here that we have not seen."

The stuffed specimen of the largest grizzly bear ever shot seemed always to call for the query, "how would you like to meet him on Thirty-third Street on a dark night?"

One rather amusing incident noticed by the writer was the earnest effort of a hayseed Jerseyman to arouse the stuffed lioness that seemed to be calmly resting in her cage. The deception was heightened by a sign—"People will please not feed the animals."

Two charming young ladies from Harlem, in the innocence of their hearts, asked the gentleman who was distributing samples of Club cocktails, for some of the "cologne" he was giving away. They got a bottle.

The space occupied by the Anker Bullion Capsules Mfg. Co. resembled a free lunch counter, so well was it patronized.

The two naptha launches exhibited by the Gas Engine & Power Co. made a fine show and drew large crowds.

Trade journals and sporting publishing companies were largely in evidence.

Section 14 was occupied by HARDWARE, published by the HARDWARE PUBLISHING CO. This space was arranged as an editorial office with desk, ohairs and a complete file of HARDWARE. The floor was covered with a handsome rug which excited the admiration of many a fair housewife. On the wall were two handsome pictures, one of representative Hardwaremen and the other containing the "dummy" of HARDWARE, a publication of 52 pages, and the handsome anniversary number, containing 150 pages. The whole was surmounted by a handsome sign, done in maroon and bronze, as follows:

ALL THE NEWS. HARDWARE HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Many visitors availed themselves of the welcome tendered them here. The official catalogue, in speaking of HARDWARE, said:

"The exhibit in space 14 by the Hardware Publishing Company, New York, publishers of HARDWARE, an organ of the trade described in its title, is naturally confined to the presentation of a newspaper alone.

"The booth is tastefully arranged, something after the manner of an editorial office, with desk, chairs, etc., sample copies of the regular editions of HARDWARE, and of its handsome Fifth Anniversary edition of April 10, 1895, which is very tastefully displayed. A feature of the display is the showing of an oak frame in which is found exhibited the 'dummy' of HARDWARE or the first advance number of March 1890. This was a sheet of 52 pages. Beneath it is the word 'Anticipation. The "dummy" of HARDWARE, 1890—52 pages.' Elsewhere upon the picture appears a copy of their Fifth Anniversary number, under which are the words 'Realization. HARDWARE, the organ of the trade, 1895—150 pages.' Among the notable contributions by HARDWARE to the good of the trade, was the suggestion of the annual dinners which have now become a marked feature of the trade, and the outcome of which is the prosperous Hardware Club of over 600 members."

The Tie Co., Unadilla, N. Y., made an attractive exhibit in their space, of their well-known Holdfast Luggage Carrier, ties, etc. Their tasteful booth was continually surrounded by crowds of people who were interested in bicycles, and other things in which the "tieing up" process

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is involved. A courteous attendant was at work constantly, showing the "whys" and "wherefores" of their handy little articles.

Section 70 was occupied by the *Iron Age* of New York. The booth was tastefully arranged somewhat after the manner of an editorial office, with desks, chairs, etc.

The *Sporting Goods Dealer*, *Forest and Stream*, *The American Field*, *Shooting and Fishing*, *Outing* and Chas. Scribner's Sons also displayed books and pictures of interest to sportsmen.

The shot tower exhibited by Tatham & Bros. was one of the centers of attraction.

Two lady shooters, becomingly attired, electrified the crowds by their marvelous marksmanship. The visitors were good-natured and inquisitive, and it is safe to say that they departed with greater respect for the sportsman than ever before. All voted the show far ahead of their expectations.

S. F. Heath Cycle Co.'s Victory.

A decision recently made in the Circuit Court of the United States for Indiana, will prove of interest to all who have the making or handling of pneumatic tires. A point touching the inflation of the same was under judicial investigation. The case was that of the S. F. Heath Cycle Co., of Minneapolis, vs. Hay & Willits, Indianapolis, and the suit was one in equity by the complainant against the defendants for the alleged infringement of letters patent No. 507,224, granted to complainant October 24, 1893, as assignee of Hastings H. Johnson, for improvements in inflating devices for pneumatic tires The invention relates to means for inflating pneumatic tires for bicycles and other vehicles. A report of the findings says:

The object of the invention was to provide a universal air pump, hose and couplings, which could be employed for inflating the tires of any machine. The defences interposed are, that the patent is invalid, and that in view of the prior state of the art, the claims, if valid, ought to be limited, so that the defendants' device would not be held to constitute an infringement. The defense of invalidity is bottomed upon the three following grounds: 1. That neither of the claims discloses a patentable combination of elements, but only what is known in law as an aggregation. 2. That the devices display no invention. 3. That the devices, in view of the prior state of the art, are not novel or patentable, but have been anticipated in all their essential features.

The invention described and claimed in the patent is a combination of devices arranged to be used for inflating pneumatic tires in common use upon bicycles. Such tires are generally provided with a rubber covered metal nipple, having within a valve that is adapted to open inward and held to its seat by a suitable spring or other device, and by the pressure of the air within the pneumatic tire, thus preventing the escape of the air through the nipple. The device, which forms the subject of the invention described and claimed in the patent, consists of an air pump provided with a flexible hose or tube having an open end, into which the nipple of any pneumatic tire may be inserted. With the air pump having this particular arrangement of hose there is combined a device for forming an air-tight joint between the hose and the nipple inserted therein, consisting of a loop arranged to encircle the hose, a follower arranged to slide along the sides of the loop, which thus forms guides to keep the follower from shifting out of place, and a screw connected to the follower and adapted to be used to force the follower in against the outer surface of the hose, thereby clamping the hose around the nipple by compressing it between the curved inner surface of the lower part of the loop and the curved surface of the under side of the follower. By this means the hose is equally compressed at all points around its surface, and an air-tight joint is formed between the inner surface of the hose and the outer surface of the nipple.

There are two claims in the patent:

First. The combination, with an air pump hose within the end of which the pneumatic tire nipple may be inserted, of means for compressing said hose about said nipple to form an air-tight joint between the tube, said means consisting in a loop, a follower and a device for forcing in said follower, substantially as and for the purpose specified.

Second. The combination, with an air pump hose wherein a pneumatic tire nipple may be inserted, of a loop surrounding said hose, a follower or gib adapted to operate within said loop, pressing on the end of said gib, whereby said hose may be tightened on said nipple, substantially as and for the purpose specified.

It is earnestly contended that the claims of complainant's patent are void, because they do not cover patentable combinations. "Blake vs. Robertson, 94, U. S. 728; Parks vs. Booth, 102, U. S. 96; Loom Co. vs. Higgins, 105, U. S. 580; Lake Shore & Mich. Sou. R'y Co. vs. National Car Brake Shoe Co., 110, U. S. 229; Yale Lock Mfg. Co. vs. Sargent, 117, U. S. 536."

It seems clear that the claims in the patent in the suit come within the rule laid down in these cases and cover a patentable combination. A single unitary result, that of inflating a bicycle tire, is produced by the co-operation of all the elements of the claims, and it is immaterial whether the operation of the elements is simultaneous or successive. I perceive nothing in any of these devices which ought to be held to anticipate the complainant's combination. None of them would suggest to a mechanic the combination in suit. It is to be borne in mind that the complainant is not claiming the clamping device alone, but is claiming it in combination with other elements, the entire combination producing a single unitary result, namely, the inflation of any bicycle tire. The claims are for a combination whlch can be readily and economically used for the inflation of any bicycle tire without regard to size, shape or kind of nipple used upon it. The complainant was the first to discover a combination capable of producing this new and useful result, by means of a simple and inexpensive device. In my opinion, it involved invention to change the form of the choker device and provide it with a concave, instead of a convex follower, and combine it with an air pump, having a hose with an open end adapted to slip over any bicycle nipple, and by this means form an air-tight joint between the inner side of the hose and the outside of the nipple. It remained for complainant's assignor to show that by his combination a device had been discovered which would provide simple and economical means for the inflation of any pneumatic tire, regardless of size, shape or style of nipple, or the kind of valve used in the rein. To one who has accomplished this result the quality of inventor should not be denied.

Applying these principles to the patent in suit, I am of the opinion that the device covered by it constitutes a patentable invention, and that is had not been anticipated by any prior patented device. It is not seriously contended but that if the complainant's patent is valid the defendant's device is an infringement of it. In my judgment it is so palpable an infringement that it is needless to point out the coincidence of structure aud operation of the two devices. It is apparent upon the most casual inspection. There will be a decree for the complainant.

A Great Clincher.

Under this suggestive heading, the Clendenin Bros., Baltimore, present on page 49 of this issue, the claims of their Copper Corrugated Shoe Nails. This is an entirely new article that has just made its appearance upon the market. It is intended to supplant the use of the brass corrugated Shoe Nails, which, it is said, "are supposed to clinch perfectly and as a general rule do so, yet, occasionally they do not." In making these goods out of copper, the firm above named have remedied their weak point. This important feature, together with the fact that they are sold at the same price as the brass, is duly appreciated by the trade; and we are informed that wherever the Copper Nails have been introduced they have given perfect satisfaction. Clendenin Bros. will be pleased to give details and prices upon application.

William H. Williams, of the Van Wagoner & Williams Hardware Co., and president of the New York Hardware Club, has been appointed a Commissioner of Elections for Brooklyn, by the mayor of that city. The term is for five years, and the duties are such as will not interfere with Mr. Williams' business connections. No better official in a position of such high trust could be found. On the organization of the board, on May 23d, Mr. Williams was elected president.

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The St. Joseph Pump Co.

The St. Joseph Pump Co., St. Joseph, Mo., have met with an unfortunate temporary interruption of business, which their enterprise and energy will overcome, so far as may be possible. A fire some days since almost entirely destroyed their works, at a time when their order books were full, and business in most excellent condition. They have gone to work with the same energy that has made their business what it is, and will rebuild at once, and hope to be in condition for business before long. Meanwhile their friends everywhere will wish them abundant success in their renewed efforts, and will hope that the time may soon come when they will be as active in the market as heretofore.

In reference to the above, the St. Joseph *News* speaks as follows:

"The destruction of the works of the St. Joseph Pump Co. in St. George was extremely unfortunate, coming as it did at the very busiest season. The company was operating its works to their greatest capacity, and had orders far ahead of its output. Many improvements had also been made in the plant lately, and it was in the best working condition. Secretary King has received a number of offers of bonuses as an inducement to rebuild the factory elsewhere, but it is gratifying to know that the company will turn a deaf ear to all such propositions, and will build a new plant on the site of the old one in St. George just as soon as the losses on the destroyed factory are adjusted. The company is a St. Joseph institution in every sense of the word. Its stock is owned by St. Joseph gentlemen and it is operated by St. Joseph men in every department. The factory began business nine years ago, and since that time its product has been steadily increasing and has been distributed to the four corners of the earth. Everywhere are seen St. Joseph pumps, and they are one of the best advertisements the city has. It would be a serious blow, indeed, if the works were not rebuilt."

The Philadelphia Association.

The gentlemen who have in hand the management of the Hardware Merchants' & Manufacturers' Association of Philadelphia, have mastered in an admirable degree the art of combining business and pleasure in the right proportions. Their business meeting and supper at Boldt's Cafe on the evening of Tuesday, May 21st, was an illustration of this point. There came first the business meeting at 6 P. M.; a collation at 7; a reassembling at 8, and the presentation of the following attractive and comprehensive programme:

INTRODUCTORY REMARKS,	By the President, Wm. W. Supplee.
BASS SOLO, "Selected,"	Wm. S. Lloyd.
ADDRESS, "Hypnotism,"	Mr. Alfred C. Rex.
TENOR SOLO, "Selected,"	Paul A. Griffith.
DECLAMATION, "Laska,"	Mr. Harry M. Einwechter.
BARITONE SOLO, "Selected,"	Mr. Jno. R. Griffith.
ADDRESS, "Commercial Veracity,"	Mr. Wm. H. Bennett.
SYMPOSIAC, "Gold vs. Silver,"	
Frank H. Taylor.	Fayette R. Plumb.
John W. Boughton.	Wm. C. Peters.
James H. Ritter.	William W. Supplee.

The following have been appointed Judges to sit during the above and are pledged to render their decision on the merits of arguments presented, regardless of personal opinion on question discussed.

JUDGES.

William W. Allen. Charles M. Biddle.
T. James Fernley.

James L. Pollitt, the London manager for the Bissell Carpet Sweeper Co., has just been presented with a twenty-foot naphtha launch, containing a one-horse power motor, which will enable him to derive considerable pleasure in his trips on the Thames during the coming season, between his house at Richmond and the Bissell Co.'s London office.

Review of the Markets.

Money: The chief event affecting finances during the past fortnight, has been the decision of the United States Supreme Court that an income tax is unconstitutional. The results that will flow from this decision will have great effect upon the future movement of money toward the government vaults, and very little effect upon the return of that already paid in, as this was relatively of so small an amount as hardly to be noticeable. There has been great activity in the stock market, especially in relation to wheat, and just when and where the flurry will end, can hardly be guessed at present. There is a good supply of time money, borrowers finding accommodation at from two to three per cent. There is also a good demand for mercantile paper at three and four per cent. The general business outlook is improving, and the opinion seems to be that the tide has turned, and that things are upon the mend. The country seems to have been started on a boom, which is something more than a mere speculative movement. We hear of increased manufacturing, advanced wages, and better business.

Hardware: The tendency during the week has been to stiffen prices. Orders are given more freely, with a tendency to dip deeper in. There is no doubt a return of confidence. The volume of business steadily increases, and manufacturers are correspondingly elated. The tendency of the market is toward a still further improvement with a possibility of the large trade of the "good old times" returning. A large portion of the orders come by mail and are not solicited. These classes of orders are for goods that have apparently reached rock bottom prices, jobbers preferring to place their orders while the goods are still at low figures, rather than run the risk of a raise in prices. But few restocking orders have been booked. The rise in prices is due to the facts that material is rather scarce, and that higher wages are being paid mechanics. Also to the fact that agreements have been reached among manufacturers.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot..... ℔ ℔....	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting.....	10¼
Anchor Rolling.....	10½
Baltimore Rolling.....	10½
Orford.....	10¼
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl....17c.	℔ ℔
Over 3½ to 5 " " ... 18c.	℔ ℔
Square and Hexagon Rods, 1c. extra.	℔ ℔
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive...18c.	℔ ℔
Over 3½ to 5 " " ...19c.	℔ ℔
Antimony.	
Hallett's .....℔ ℔....	7¾
Cookson's.....	9¼
Lead.	
Foreign .....℔ ℔....	nominal.
Domestic.....	3½@3¾
Spelter.	
Foreign..... ....℔ ℔....	4¼
Western, common	4
Zinc.	
Sheet, cas.k.....℔ ℔....	4¾@5
Tin.	
Straits, 10 ton lots, spots ℔ ℔	15
Straits, store lots.....	16
Tin-Plate.	
Coke Tins:	
I B grade Coke Tin.....	4¾
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC.....	5¼
Each X $1.50.....	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	4¼
Charcoal Ternes:	
Worcester, 14x20..... ...	4¾
Do. 20x28.....	9.25
M. F., 14x20	6½
Do. 20x28.....	13.00
Dean, 14x20.....	4½
Do. 20x28.....	9.10
D. R. D. grade, 14x20.....	4¾
Do. 20x28.....	8½

Wire Nails: There has been a tremendous advance in the price of Wire Nails during the past week, and it is almost impossible to get quotations on these articles. The advance is due to the increased cost of material, and an understanding between the manufacturers. One large concern, we are advised, has been unable to fill orders for 30,000 kegs, not being able to secure the steel to manufacture them. Lots out of store in New York are quoted at $1.30. The market is practically bare of Nails. Manufacturers are all wearing broad smiles and hoping that this condition of affairs will continue.

Cut Nails: The upward movement in Wire Nails had a corresponding effect on the Cut. The ruling quotation for lots out of store New York is $1.10 on a 60 cent average. The condition of the market is considered excellent.

Nuts and Bolts: An advance in prices is looked for, as there is a strike on in Cleveland.

Hinges: There is but the ordinary demand for Hinges.

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But Hinges in the Hardware trade are like sugar to the grocery trade.

The following quotations, subject to change without notice, are given in the paint market. White Lead, dry or in oil, red lead and litharge in kegs; in quantities of less than 500 pounds 6c. net; in lots of 500 pounds and over 5½c.; Red Lead and Litharge in barrels and half barrels, ¼c. per pound less than price in kegs. Zinc: Values remain unchanged for jobbing lots at 3¾@4¼c. Barytes: No. 1 is quoted at $15@$16 per ton. No. 2 at $12@$13, and No. 3 at $9@$11 per ton. Linseed Oil: The crushers price is 56 cents.

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "No commodity affects the value of any other, except sympathetically and relatively. Intrinsic values always stand firmly related to supply and demand. Unnatural and abnormal demand may be temporarily caused by extraordinary consumption, undue speculation, human whims, contracts and laws. Temporary apparent advantage may be gained by agriculturalists and their dependants against manufacturers and their employees by change from gold to silver standard; the outcome might mean loss to all classes. It is estimated the silver production of 1895 will not exceed 100,000,000 ounces, and Chinese indemnity will require more. Imports of textile fabrics and other fibre goods average 76% more than under the former tariff. Total imports for seven months are $54,000,000 more than in 1894. The United States minister says banks in Paraguay, South America, will not take American silver, or handle American exchange not specifically payable in gold. The bond syndicate are reported as paying a small premium for gold in gold-producing states, and offering 4 per cent. bonds in other states at less than New York quotations. It is reported the French people own all their government securities and some three and one-half billions of Russian and Spanish securities."

THE CLEVELAND TRADE.

During the last two weeks the improvement for the better which we foreshadowed in our last letter has come about, and there is a very decided improvement in prices of all staple articles such as Wire, Wire Nails, Steel Billets, etc. It seems to us that we have reached the turning point in the lane that we have been trying to find for the past two years, and that with this advance in prices will come an increased degree of prosperity to everybody. We sincerely hope that all classes, from the workingman to the capitalist, may share in this prosperity.

We believe that the present advance is a substantial one, and will be well maintained, as the value of all staples in the iron line had fallen far below what it should be. This advance, it must be borne in mind, is made up almost entirely of additional cost for labor, for the advances in iron and steel billets and all articles of that class are distinctly the result of a change in wages.

We think that all classes, manufacturers, jobbers, retailers and consumers are perfectly willing to see the higher plane of values, and that no discouragement would be placed in the way of an honest effort to increase present prices.

Going somewhat more into detail: The prices on Wire Nails during the past week have been wery unsettled; mills have made sharp advances, and the majority of the trade are caught without any large stock on hand. In sympathy with this movement in Nails, an advance has also been made on Smooth and Barb Wire, although not to the same extent. From all that we can learn, the mills are snowed under with orders, and such being the case, there is little probability of any falling off in prices, but on the contrary a very strong probability of further stiffening, so that by the time this article appears before your readers, we have little doubt that values will be higher than they are at present.

In sympathy with these advances it must naturally be expected that other staples, such as Sheet Iron, Galvanized Iron, Wire Cloth, Poultry Netting, Tin Plate, etc., will share in the advance. The time seems to have arrived when it is a wise thing for dealers to carry a well assorted stock that will meet their requirements, and they can feel confident in doing so that they will not be subject to sharp reductions in values, and consequent loss, but that on the contrary probabilities are strongly in favor of the merchandise being worth fully as much, and possibly more, at the time it is sold, than at the time it was purchased.

In our immediate section we have been visited by heavy frosts, which have done considerable damage, but as usual in all such cases the damage has no doubt been very much over-estimated, and we can only hope that further developments will show that fruit and grain have not been injured to the extent that it is now supposed.

Seasonable goods are in active demand, and the warm weather which ruled during the first week of May and the last week of April brought a heavy demand for such articles as Refrigerators, Ice Cream Freezers, Garden Hose, Screen Doors and Windows and Oil Heating Stoves.

Bicycles are still in active demand, and the orders received daily are in excess of the quantity that the factory are able to ship. It is probable that this condition of affairs will continue for the next three or four weeks, at least, and by that time it is to be hoped that the excessive demand will be met, and that after that buyers can obtain their supplies immediately upon requiring them.

Collections are satisfactory, and the general outlook fair. Trade is good. MCINTOSH-HUNTINGTON CO.

THE BALTIMORE TRADE.

In the past fortnight trade in this section has been remarkably good, when we take into consideration the rather unsatisfactory spring weather which has prevailed. While the sale on certain lines of seasonable goods has been somewhat restricted, there has been a fair amount of staple Hardware moving in moderate quantities. What are known as strictly summer goods have not been much in demand, as yet; but with the first appearance of warm weather, we may safely count upon a full volume of business in this line. There is a confidence manifested in all sections of our territory that prices have surely begun the upward ascent and that any changes, which are likely to occur, will be in the nature of advances.

The recent action of the Wire Nail manufacturers has given a certain amount of backbone to the stiffening process, although advances of a moderate nature would likely be more lasting. By a sort of sympathetic relationship, plain and Barb Wire have also advanced several points. It is more than probable that the next few weeks will bring about many advances on those lines of staples closely related to the raw material. Screw Hook Hinges, as also Strap and T Hinges, will probably come in for early attention. Wood Screws, which have been, prior to this, a demoralized factor, will advance to a point which will justify the manufacturers. Taking all together we look forward to a general return of prices to a normal level, and it is safe to say the fall business will justify all moderate expectations.

THE TABB & JENKINS HARDWARE CO.

THE DAVENPORT TRADE.

A letter just received from a well-known manufacturer, excusing lack of promptness in shipping, seems to voice the conditions of many of the Hardware manufacturers at present. It reads: "As we expected, when business would pick up, it would begin with a rush, everybody wanting the same goods, and we have found this to be the case."

As soon as the retail trade finds that the day of low prices has passed, that confidence is restored, and it is the *seller* and not the *buyer* who has the advantage now, there will be

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My dear, dear Lord,
The purest treasure mortal times afford
Is spotless reputation---That away
And wheels may be painted iron or gilded clay;
An honest cycle that has stood the test,
Is the famous one with the Humber crest;
In quality is its fame; both grow in one;
Take quality from it and its fame is gone.

HUMBERS have been the favorite Bicycles of two generations of riders. They are still the - - STANDARD.

Humber & Co., America, Ltd.,
No. 318 Broadway,
New York.

an unprecedented demand for goods. Buyers are always slow to purchase on a declining market, and as the downward tendency has obtained so long, the stocks are very much depleted. It will require the full capacity of the factories to fill up the empty shelves and put the stocks of the retail dealers into their normal condition again. It may be that jobbers who are slow to realize the changed conditions and do not place their orders for fall trade early, will also find it difficult to get goods in time to supply the urgent wants of their customers. Complaints are already being made on account of tardy shipments.

April trade was far in excess of the business done in April, 1894.

Prices are firmer all along the line, the most notable advances being in Fruit Jars, Strap and T Hinges, Screws, Sheet Iron, Cut and Wire Nails, Wrought Goods, Sheet Zinc, Steel Squares, Tin, Solder, Rope, Binder Twine and Barb Wire. The "good times" that have been coming so long and so slowly, appear to be very near us, and if we have the abundant harvest which looks now so promising, a large crop of Hardware orders will be gathered in Iowa this fall.

The nail war between Joliet and its suburban city by the lake is over; normal prices have been restored. Collections are only fair.

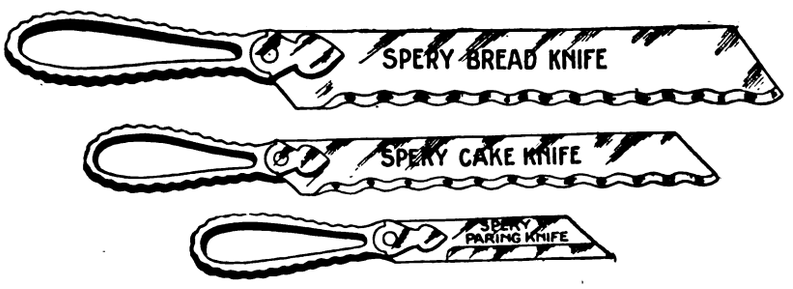
SICKELS, PRESTON & NUTTING CO.

THE BOSTON TRADE.

The signs of business prosperity are too manifest to admit any doubt of existence. Every department of productive trade is receiving some benefit from the improved condition of things. Throughout New England the most encouraging evidence is the more constant employment of the working classes, as well as the upward tendency in rates of wages.

Since the opening of the spring there has been a steady increase in the volume of trade compared with previous years, and from the nature of the improvement we have every reason to believe it is something more than a seasonable boom, and the stride that it has already made has every tendency of continuance. The increased demand of

SPERY CUTLERY MFG. CO., - St. Louis, Mo.



We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made.

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street, DAVID EASTMAN, Manager.

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merchandise in our line has its effect upon the manufacturers, and they have been forced to make some advances which are fully warranted. The average merchant welcomes any advance that is reasonable and can be maintained.

The demand for builders' Hardware is very promising, and those houses which make a specialty of this line report an unusual activity, and the sale of this class of goods for the coming months will be larger than for some time.

The sharp advance in nails is nothing more than was expected, when it has been a conceded fact that this commodity has for some time been sold at less than actual cost.

Seasonable goods are selling rapidly, and the demand is such there is no disposition to cut prices. Collections are much better than last month. Frye, Phipps & Co.

THE AUSTRALIAN TRADE.

The past month has proved a disappointment to many who looked for the improvement foreshadowed by the operations of the previous month. Still, although reports generally indicate that returns for the month have been below expectations, a more cheerful note is not altogether wanting.

Never before were so many minor industries developed as at the present time. Diversity of production, which for some years past has been accepted as correct in theory by producers, has now been put into active practice. The wheat-grower has turned his attention more largely to sheep and to the dairy; and fruit growing and canning are being developed very satisfactorily.

This altered condition of things, backed up by determined perseverance on the one hand and strict economy on the other, has rather a depressing effect on the actual turnover of stock for the time being, but the good effects will be felt in the near future in no slight degree.

McLean Bros. & Rigg, Ltd.,
Walter J. Travis, Mgr.

Nos. 52 and 54 New Street, New York.

Model Garden Pump.

C. E. Jennings & Co., No. 79 Reade Street, New York, are having great success in the sale of their Model Garden Pump and Fire Extinguisher, a view of which is here shown. The uses to which it is put are so numerous, and its effective working so certain, there is little wonder that it has met with a great and increasing sale. It can be used for extinguishing fires, washing carriages and windows, sprinkling gardens, lawns and flowers, destroying insects on trees, syringing cattle, blowing out water pipes, etc. It is made of the very best mandrel drawn brass tubing, with hard round stone rubber balls for valves, hard metal plungers, Bessemer steel plunger rods, which obviate the annoyance of swelling and shrinking of wood, which is experienced in many of the pumps made for this purpose. The makers say: "There is, at the present time, a great and growing demand for some appliance for distributing evenly and economically a solution for destroying insects on fruit trees. We supply with each and every Pump a formula for solution; also nozzle of our own invention, which does the work to perfection. We also furnish an extra appliance for watering flowers and shrubbery, and besides that a wooden plug to be used in blowing out water pipes and syringing cattle. To show that it is no cheap squirt-gun arrangement, we warrant to force a continuous stream of water sixty feet, in quantities equal to any other Pump in the market which retails at twice or three times the amount." Sample Pump sent to any address upon receipt of retail price, $3.



Spery Serrated Bread Knives, etc.

The Spery Cutlery Mfg. Co., St. Louis, for whom David Eastman, No. 64 Reade Street, New York, is Eastern manager, are placing upon the market a number of attractive articles in the cutlery line. Among these, special mention should be made of their Serrated Edge Bread Knives, some



FIG. 1.

samples of which are illustrated upon page 45 of this issue. They make them in curved or straight blade.. They also make the Combination Grater and Slicer, shown in Fig. 1, the utility of which will be understood at a glance. The Grater can be detached from the Slicer, making a desirable kitchen utensil. In Fig. 2 may be seen the Spery Parer and Slicer, of which they say: "This knife has had a large sale for the past four years, and its success is the foundation of the Spery factory. The Parer and Slicer is now nickel-plated and more attractive than ever. Its merits are soon appreciated by a good household, being a most valuable kitchen necessity." Among the other articles of their manufacture is the Spery Meat Tenderer, which has a keen



FIG. 2.

cutting edge, which cuts the fibres of the meat and allows the juice to escape, and cannot clog; the Spery Paring Knife, which is plain, finely tempered, with a malleable iron handle, nickel-plated; a Slaw Cutter, Can Opener, etc. The prices, etc., in full, can be obtained by application to Mr. Eastman in New York, or the home company in St. Louis.

New York Hardware Club.

At a meeting of the board of governors on May 23rd, the following gentlemen were unanimously elected; that of the resident members having become possible by the occurrence of two vacancies in that list:

Harlan Page, No. 235 Race Street, Philadelphia.
Frank W. Oliver, Niagara Falls, N. Y.
John H. Parsons, No. 253 Broadway.
James M. Bell, No. 21 Warren Street.

The following resolution, offered by Mr. Hayden, was unanimously adopted:

"*Resolved*, That due notice be given, in accordance with the requirements of the constitution, that the resident membership of the Club be increased to six hundred."

It was decided to call a meeting of the Club for June 20th, at 12 M., to act upon this proposed amendment.

It is evident that Cleveland's reputation as a convention city is deeply impressed upon the National Association of Tire Bolt Manufacturers. They have met in that city several times, and twenty members of the association from Providence, R. I., to the Mississippi River, met some days since at the Weddell House. The meeting was held purely for the purpose of discussing trade matters, and the members agreed that the improvement in business was very noticeable. No change in prices was made at the meeting.

The fifth anniversary number of Hardware was a notable exhibition of what a trade paper can do when it bends its efforts to produce a "special." From very small beginnings Hardware has in five years grown to large proportions and now ranks among the leading trade journals of the day. The anniversary number, issued last month, contained 150 pages—the advertising department showing up in elegant style.—*Profitable Advertising*.

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A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

The annual meeting of the Yale & Towne Mfg. Co. was held in Stamford, Conn., some days since, at which the following board of directors were elected: Henry R. Towne, Wm. F. Donovan, Schuyler Merritt, Geo. E. White, Walton Ferguson, M. F. Merritt and Thos. F. Keating. At the directors' meeting which followed, these officers were elected for the ensuing year: President, Henry R. Towne; vice-president, Wm. F. Donovan; secretary, Schuyler Merritt; treasurer, Geo. E. White; assistant treasurer, Thos. F. Keating.

The show windows of the Bissell Carpet Sweeper Co.'s New York store are at the present time wearing the appearance somewhat of a Japanese pagoda. They are fitted up with a liberal display of Japanese fans, which for a short season the Bissell Co. are distributing free gratis to the extent of fifty with each "Grand" Sweeper ordered. The "Grand" sweeper is one of the most scientific and best built machines of the Bissell line.

HARDWARE is printed for men now on earth.

Situations Wanted.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 23, desires position in retail or jobbing house. Five years' experience. Well acquainted with builders' Hardware, machinists' tools and cutlery. Can furnish best of references as to ability, etc. Address E. T. B., General Delivery, Hartford, Conn.

A SITUATION wanted by a young man twenty-eight years old, with ten years' experience as salesman. Good city reference can be given. G. A. K., care HARDWARE, No. 143 Chambers Street, New York.

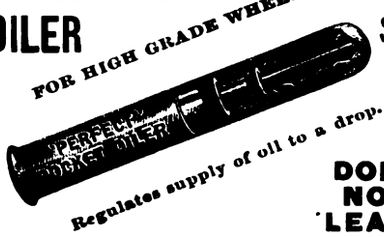
A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street, New York.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



25c.

Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.



For Butler's Pantry

and all other Swing Doors, the best device is

BARDSLEY'S CHECKING SPRING HINGE.

It goes in the sill under the door and works in oil. Send for catalogue showing this and the best line of

WOOD DOOR KNOBS, DOOR STOPS, &c.

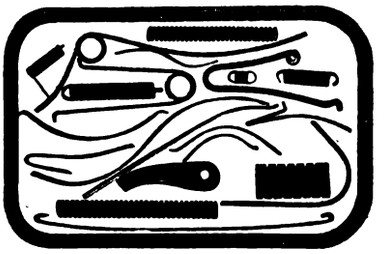
J. BARDSLEY, 149 Baxter St., New York.

Agency Wanted.

CALIFORNIA.—A responsible, experienced party about locating at Los Angelos, California, desires several agencies for first-class manufacturers and Hardware specialties. Address E. S C., HARDWARE, No. 143 Chambers Street, New York.

TUCK MFG. CO., Brockton, Mass.

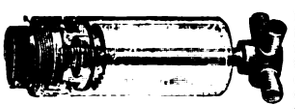
Springs, Tools & Cutlery.



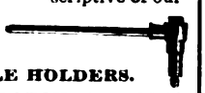
Send for Tool Catalogue.

Tempered Springs of all kinds.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our



FORBES PATENT DIE STOCKS.

CURTIS PATENT NIPPLE HOLDERS.

CURTIS PATENT RATCHET DRILLS.

PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,
No. 3 Garden St., Bridgeport, Conn.

TRIENNIAL MECHANICS' FAIR.

Boston, Oct. and Nov., 1895.

Applications for space by Inventors, Mechanics and Mannfacturers are now being received. Floor plans ready, and groups provisionally located. This Exposition will be attended by half a million people.

Address applications

Secretary, M. C. M. A.,
Office, Huntington Avenue, Boston.

Making Money

Selling bicycles depends upon the repairs.

The *less repairs*, the *more profit* to the hardware dealer.

The Sterling

(Built like a watch.)

is the *only* wheel that never needs repairs.

Send for Catalogue.

STERLING CYCLE WORKS,
236-240 Carroll Ave.,
CHICAGO.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Cedar Rapids, Iowa.—J. V. Bridl.

Creston, Iowa.—Slater & Nicholls.

Danville, Ill.—Theodore Schultz.

Ellisburg, N. Y.—Messenker & Hoffstater.

Galion, Ohio.—F. H. Eise.

Lake Charles, La.—William Lightley & Co.

Middletown, Pa.—Hoff & Raymond.

Newport, N. Y.—J. B. Lankton.

Phillips, Me.—Herbert Lander.

Rochester, N. H.—Herbert H. Hodgson.

South Gardiner, Me.—G. W. Cutts.

Thorofare, N. J.—Thomas W. Wyne & Son.

Valley Junction, Iowa.—H. L. Seyfert.

Record of Changes.

Bathgate, N. Dak.—A. Baldwin, Hardware, reported succeeded by G. Gilday.

Bloomer, Wis.—F. W. Stees & Co., Hardware, etc., succeeded by Frank W. Stees.

Bonham, Tex.—Thompson, Ebernathy & Co., Hardware, etc., Albert Gale withdrawn.

Boston, Mass.—Thomas Hill & Sons, Hardware, etc. Thomas Hill retires, succeeded by his sons.

Clinton, Wis.—Isham & Wakeford, Hardware, succeeded by A. S. Isham.

Contoocook, N. H.—George H. Ketchum has sold his Hardware store.

Ellenville, N. Y.—Harris Grobgeld, Hardware, etc., reported sold to Eli Van Aken.

Elmira, N. Y.—Mr. Wagner, Hardware, at the corner of Lake and Water Streets, will sell out.

Fairfield, Iowa.—N. S. Bright has disposed of his Hardware store to J. Emery Fisher.

Fall River, Mass.—Aldrich & Wells, Hardware, etc., reported as having dissolved partnership.

Freeport, Mich.—Solon R. Hunt, Hardware, succeeded by Hunt & Lictka.

Glenwood, Minn.—Morrow & Ewing, Hardware, succeeded by A. C. Howe.

Huntington, Pa.—S. B. Chaney & Co., Hardware; business continued by S. B. Chaney, under the same style.

Jameson, Mo.—J. W. Reed, Hardware, sold to Sawyer Hardware Co.

Kingsville, Mo.—W. C. Garricon, Hardware, succeeded by Connell & Greaves.

Lynchburg, Va.—The Hardware firm of Bell, Barker & Jennings have changed to the B. B. & J. Hardware Co.

Malden, Mo.—Bohecke & Moore, Hardware, succeeded by Harry Bohecke.

New London, Conn.—Daniel Latham has purchased the interest of Charles F. Chaney in the Hardware business.

North Abington, Mass.—Clark & Higgins, Hardware dealers, have dissolved partnership, Mr. Higgins retiring.

North Lansing, Mich.—Paul Dunham has purchased the Hardware stock of the Grange store from A. L. Harlow & Co.

Northville, N. Y.—Myron Darling has purchased J. B. Wilson's interest in the Hardware store of Wilson & Taylor, and the business will be continued under the firm name of Darling & Taylor.

Siloam Springs, Ark.—Benton Co. Hardware Co., purchased the Hardware store of R. E. Henry and will add it to their stock.

Sistersville, W. Va.—Boyers & Pollock, Hardware dealers, succeeded by J. W. Boyers.

Spokane, Wash.—Spokane Hardware Co. reported bought out business of Park-Lacy & Co., lately managed by Stewart Gordon.

Thompsonville, Mich.—William Peck, of Montague, has purchased J. P. Winter's Hardware stock and rented his store building.

Waterloo, N. Y.—Baker & Webster, Hardware, reported as having dissolved.

Waukon, Iowa.—Henry Krieger, Hardware, sold to F. Winkie.

West Point, Neb.—L. E. Chubbuck, of the firm of Lee & Chubbuck, has sold his interest in the Hardware business to his partner.

Improvements and Removals.

Alma, Mich.—Caple & Hall, Hardware, will erect a brick block two stories high and having a frontage of 200 feet.

Bridgeport, Pa.—Daniel H. Neiman, will erect a Hardware and tin store at the corner of Second and Green Streets.

Helena, Ark.—W. A. Tappan is erecting a Hardware store.

Hills, Minn.—Larson & Nuffers, Hardware, will erect a new building for their business.

Hollenberg, Kan.—A. B. Prouty, Hardware, reported moved to Blue Mound.

Melbourne, Fla.—F. H. Fee is ceiling his new Hardware store and putting in new shelving and otherwise making necessary additions.

Mason City, Iowa.—J. F. Emery, successor to Garner Bros., is moving his Hardware store temporarily into the Rule Block, lately occupied by Claus & Ayres.

Milwaukee, Wis.—The John Pritzlaff Hardware Co. will build an addition to its storerooms on West Water Street to cost between $5000 and $10,000. The building will be of brick, four stories in height, and made to conform to the architecture of the present buildings.

Montpelier, Vt.—Barrows & Peck contemplate making changes on the building occupied by their Hardware store, and are to put in modern show windows.

Paw Paw, Mich.—Clapp & Bilsborrow, Hardware, have removed to Sturgis, and will be sole agents for the Reading Hardware Co.

Provo City, Utah.—The Provo Hardware & Iron Co. are making arrangements to move stock of merchandise from present stand on Center Street around on J Street.

Richmond, Va.—The Charlottesville Hardware Co. have accepted plans for a handsome structure to adjoin the above.

Saginaw, Mich.—John G. Beer is erecting a store on Court Street, which he will occupy with his stock of Hardware when it is completed.

Stevens Point, Wis.—C. Krembs & Bro. will build a new Hardware store on Main Street which will be two stories and basement in height, and will cost in the neighborhood of $10,000.

Tecumseh, Mich.—Satterthwaite Bros. are putting up a two-story building in the rear of their Hardware store.

Valley Junction, Iowa.—H. N. Belding is moving his Hardware stock to Commerce.

Business Embarrassments.

Cleveland, Ohio.—Lewis Bros. Co., wholesale and retail Hardware dealers, have been attached by the sheriff on an execution for $5000 Later another judgment was filed for $12,500.

Cleveland, Ohio.—John Walther and Henry Christman, Hardware dealers at No. 269 Central Avenue, have made an assignment to Frank C. Monak.

Mechanic Falls, Me.—A. S. Ellsworth, Hardware dealer, has assigned.

Portsmouth, Ohio.—Watkins Bros., Hardware dealers. have assigned to Charles E. Molster; assets $1400; liabilities about $900.

St. Louis, Mo.—Frederick Blasberg, Hardware dealer at No. 3907 South Broadway, has assigned to Bernard A. Padberg.

Burglaries in Hardware Stores.

Elgin, Ill.—Hulse Hardware Co., cutlery.

Essex, Can.—W. H. Richardson, $30.

Ft. Madison, Iowa.—W. C. Andrews, $65.

Ft. Wayne, Ind.—Bennett Bros., revolvers.

Howard, N. Dak.—H. W. Zeickwick, $25.

Marshall, Mo.—Nauerth & Quisenberry, $60.

Middletown, N. Y.—George Watts.

Minneapolis, Minn.—H. O. Roberts, Hardware.

Newark, Mo.—Allen's Hardware store, $15.

Fires in Hardware Stores.

Ardmore, Ind. Ter.—Bivens & Williams, Hardware. reported loss by fire of $15,000; insurance $6000.

Buffalo, N. Y.—The Hardware store of Harris & Chapin has been destroyed by fire.

Caldwell, Tex.—Fire has destroyed E. Keseling's Hardware store.

Charlotte, N. C.—Brown, Weddington & Co., Hardware, on College Street, totally destroyed by fire.

Florence, Col.—R. K. Warhurst, Hardware, reported damaged by fire.

Gainesville, Fla.—E. Baird & Co., Hardware, warehouse destroyed by fire; loss $5000.

Milford, Mass.—The Hardware store of Edward E. Vaughan has been damaged by fire.

Plattsburg, Mo.—Davis & Co., Hardware, reported loss by fire of $1500; insured.

Sand Lake, Mich.—Norman N. Pringle, Hardware, reported estimated loss by fire $3000, insurance $1400.

Sylvania, Ohio.—A. R. Chandler, Hardware, reported burned out.

Townville, Pa.—George E. Marsh, Hardware, etc., damaged by fire.

Waukon, Iowa.—Winker's Hardware store totally destroyed by fire.

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YOU CAN ALWAYS TELL

which bicycle is the most popular, most satisfactory, most pleasing to the fastidious eye, and the keenest competitor, by what its business competitors say about it. The dealer

WHO IS HURT BY

such competition as our customers are able to put with our line of **New Clippers,** generally tells you that **Clippers** are "no good," they "run hard," are "ice wagons," etc., etc. We have been

NOTICING WHO HOLLERS

lately; its those who can't find a better line to compete with those "ice wagons"; they hurt because they stand up and give satisfaction. If you want a Bicycle Built for Business, just try a **New Clipper** before you buy. We'll be willing to submit to your unprejudiced judgment.

Bicycles Built for Business.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.

INDISPENSABLE TO WHEELMEN.

Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.

Send for Catalogue.

C. H. LAMSON, Portland, Me

Any size or style. Send for Catalogue.

Special Discount to the Hardware Trade.

BOSTON GEAR WORKS

42 Hartford Street,

(FRANK BURGESS, PROPRIETOR.) **Boston, Mass.**

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

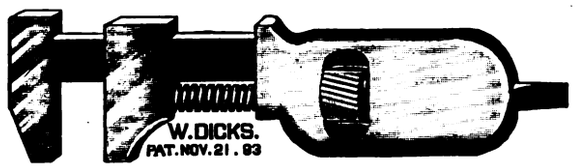
THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.

Housekeepers like this tool

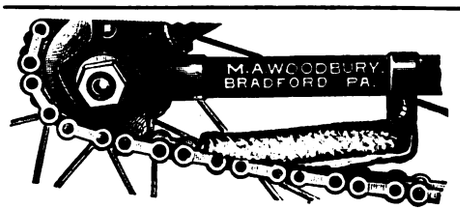
Cycle riders want it.

It is SO handy



—We are Making Special Price to Hardware Dealers.—

Spaulding Machine Screw Co. Buffalo, N. Y.



WOODBURY'S

Automatic Dry Chain Lubricator and Duster for Bicycles

—HAS NO EQUAL.—

Weight, ½ oz. **Price, 25 cents.**

A GREAT CLINCHER!

COPPER CORRUGATED SHOE NAILS

THE BEST SHOE NAIL MADE.

PRICES ARE THE SAME AS FOR BRASS.

MANUFACTURED ONLY BY

Clendenin Brothers, - Baltimore, Md.

Keating

"A DAYS AHEAD OF THEM ALL."



to 23 CATALOGUE FREE

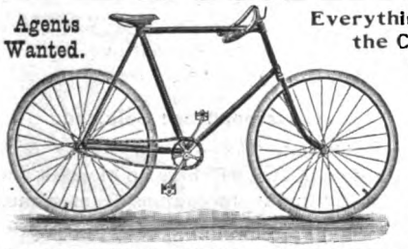
Pounds

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are **$75.00 $60.00 $50.00 $40.00**

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.

Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Bowling Green, Ky.—E. G. McCormac, bicycles, has been appointed agent for the Columbia and Hartford bicycles.

Bowling Green, Ky.—James Smith & Co., bicycles, commenced business, handling the Syracuse, Fenton, Gendron and Crawford.

Bowling Green, Ky.—L. Greer & Son, bicycles, have been appointed agents for the Holliday-Temple bicycles.

Dover, N. H.—J. L. McKone, bicycles, new store opened.

Grand Rapids, Mich.—Don J. Leathers, George M. Davis, and others, are reported organizing a bicycle manufacturing company, with a capital stock of $30,000, to manufacture a newly patented bicycle, having a dividend hub, so arranged that the tension of the spokes can be regulated by turning a sleeve in it.

Greenfield, Mass.—Charles F. A. Eddy and William L. Severance have formed a partnership under the name of the Eddy Mfg. Co., and will manufacture and deal in bicycles, opening business at the corner of Wells and Devon Streets. They will do nickeling, enamelling, and all kinds of repairing.

Hamilton, Mo.—Frank Parish, bicycles, Hardware, implements, opened new store.

Hicksville, N. Y.—Seaman Bros., wheel goods, bicycles, etc., commenced business.

Holly Springs, Miss.—Wall & Jones, Hardware, bicycles, etc., new store opened.

Kansas City, Mo.—Central Cycle Co. has been incorporated by George B. Wing, O. C. Hutchinson and L. L. Hutchinson. Capital stock, $250,000.

Lafayette, La.—Gus Lacorte, carriages, harness, etc. Will take up bicycles.

Louisville, Ky.—The Zimmy Cycle Co. opened a new store at No. 353 Third Street, with W. B. Welle as manager. A line of bicycle accessories will be handled, and James Bowman will be in charge of a repairing department.

Manlius, N. Y. — Dewey & Topp have opened a new bicycle store and livery.

Medford, N. J.—Haines & Co., bicycles, new firm, composed of Willits Haines and A. S. Haines, have commenced business on Bank Street.

Menominee, Mich.—The Joseph A. Sandburg Cycle Co. have recently commenced business.

Middletown, Pa. — Hoff & Raymond, wholesale and retail Hardware, opening new store. Will take up bicycles.

Milwaukee, Wis.—William F. Bremer, until recently with the Union Cycle Mfg. Co., has commenced a cycle repair business for himself.

New York, N. Y.—C. E. Augustein, of Marietta, Ohio, has opened new bicycle store, at No. 301 Broadway.

New York, N. Y.—Page, Dennis & Co., No. 325 Broadway, have been appointed the general eastern agents of the Eclipse Bicycle Co., of Beaver Falls, Pa.

Nyack, N. Y.—William H. Baldwin has opened new Hardware store, and is preparing to add bicycles. He will also conduct a repair department.

Oroville, Cal.—Sadowski & Teuhy, Hardware, preparing to add a bicycle department.

Pittsburg, Pa.—The Weldless Steel Tube Co. has been incorporated, to manufacture weldless tubing. Capital stock, $250,000. The company will control the process patented by George H. Everson, of Pittsburg.

Plymouth, Wis. — William Trowbridge and D. A. Gaffron formed copartnership to commence Hardware and bicycle business.

Princeton, Wis.—O. J. Weiss, sporting goods, etc., has opened new store. Will accept agency for good wheel.

Quincy, Ill.—The McCormick Harvesting Machine Co., have opened a bicycle department, and will carry a large stock of the best wheels. They will also do a bicycle repairing business.

Roaring Springs, Pa.—Adams & Snyder, Hardware, bicycles, etc., new store opened.

Rock Island, Ill.—M. O. Griswold & Co., bicycles, have opened a bicycle repairing department.

Salt Lake City, Utah.—The Salt Lake Cycle Co., bicycles, have incorporated.

Setauket, L. I.—The North American Rubber Co. have commenced the manufacture of inner tube rubber tires for bicycles, having a daily capacity of 450 sets. They have a New York office at No. 81 Reade Street, with E. Elderson as resident manager.

Springfield, Mass. — Weston Cycle Co., Chestnut Street, have opened a general repair department, and placed it in charge of J. W. Shea, until recently with Spalding & Co., of New York. They will build wheels to order.

Springfield, Mass.—William P. Shea, formerly with the Keating Wheel Co.'s repair shop at Holyoke, Mass., has opened bicycle repair business at No. 78 Worthington Street. He will have facilities for making wheels to order.

Superior, Wis.—Dodge & Pearson, Duluth, Minn., sporting goods and bicycles, new store opened.

Syracuse, N. Y.—The Eclipse Bicycle Co., new store opened at No. 419 Clinton Street, with George Houck and George H. Lloyd as managers.

Washington, D. C.—N. A. Tappan, No. 1013 Pa. Avenue, sporting goods, and Washington agent for A. G. Spalding & Bros., is opening new bicycle store corner Connecticut Avenue and M Street.

Washington, D. C.—Parker, Bridgett & Co., clothiers, of No. 315 Seventh Street, N.W., have added bicycle attire department and announce that they sell "everything except the wheel."

Washington, D. C.—W. B. Moses & Co., furniture, carpets and upholstery, adding a bicycle department, handling the Imperial. They will inaugurate a riding school in one of the upper floors of their large building, corner of F and Eleventh Streets.

Changes and Removals.

Anita, Iowa.—King Hardware Co., Hardware, bicycles, etc., succeeded by Doty & Thayer.

Atlanta, Tex.—J. D. Johnson & Bro., Hardware, bicycles, etc., succeeded by J. D. Johnson.

Berryville, Ark.—W. R. Hamilton, bicycles, etc., succeeded by W. R. Hamilton & Co.

Corinth, Wis.—J. F. Small, Hardware, succeeded by Small & Elgin, and bicycles will be handled.

Greenleaf, Kan.—W. S. Fleur, Hardware, bicycles, etc., succeeded by W. S. Fleur & Co.

Los Angeles, Cal.—The Lu Mi Num bicycle Co., B. Peck, Jr., has retired from the company.

Middletown, Cal.—Davis Bros., implements, bicycles, etc., succeeded by Davis & Price.

Pittsburg, Pa.—L. B. Fleming Co., Limited, has succeeded the sporting goods house of L. B. Fleming.

Shell City, Iowa.—H. E. Toedt, Hardware, succeeded by Toedt & Harris, who will add bicycles. Propositions from manufacturers of wheels and sundries invited.

Worcester, Ark.—J. L. Pearson & Co., Hardware, bicycles, etc., succeeded by H. Robinson.

Washington, D. C.—L. C. Wahl, bicycles, No. 811 G Street, N.W., succeeded by C. C. McCormick, who was from 1889 to 1892 with George S. Atwater & Co., agents for the Columbia.

New Goods and Improvements.

Detroit, Mich.—Hodgson & Howard Co., sporting goods, bicycles, etc., have enlarged and remodelled their store.

Hagerstown, Md.—The Crawford Bicycle Works are to be enlarged.

Jonesboro, Ind.—The Marion Cycle Works have commenced the erection of an annex, which will be equipped with the most improved machinery. The capacity of the plant will be doubled, and the working force increased to about 150 operatives.

Louisville, Ky.—R. C. Wayne, bicycle manufacturer, is enlarging his capacity and rearranging the factory.

Louisville, Ky.—Rudolph & Bauer, bicycle manufacturers, have moved to new and larger quarters at No. 234 West Market Street. The firm will continue their retail store at No. 534 Fourth Avenue.

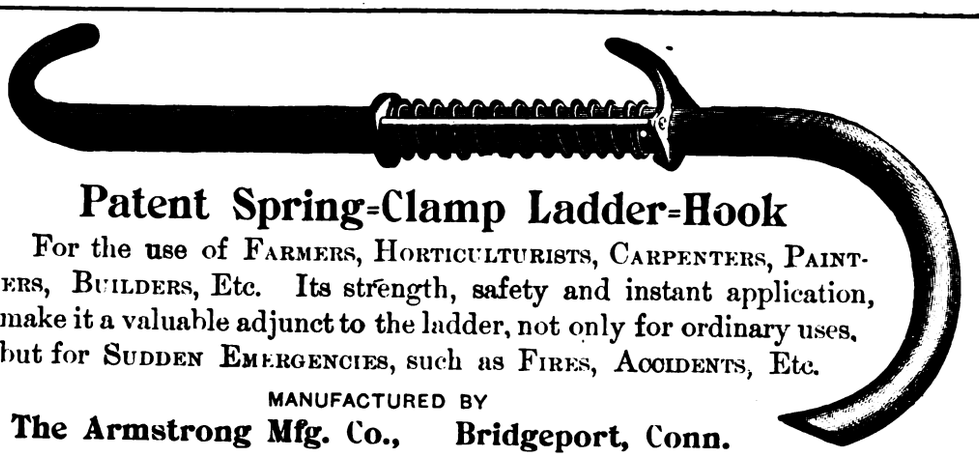
Correspondence Solicited.

Beaumont, Tex.—R. R. Ridley & Co., Hardware, etc., will take up bicycles, and to that end invite propositions from manufacturers of bicycles and bicycle sundries.

Boonville, N. Y.—Sam C. Smith, sewing machines, will add bicycles, and invites correspondence with the manufacturers of wheels and sundries, looking to accepting agency.

Frostburg, Md.—Frank C. Beall, Hardware, etc., is contemplating adding bicycles. Propositions invited from manufacturers of wheels and sundries.

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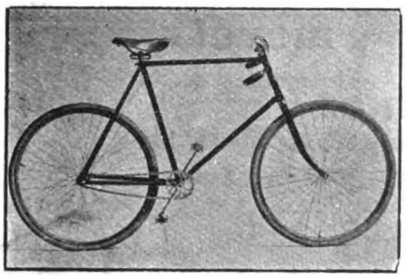


Patent Spring-Clamp Ladder-Hook

For the use of FARMERS, HORTICULTURISTS, CARPENTERS, PAINTERS, BUILDERS, Etc. Its strength, safety and instant application, make it a valuable adjunct to the ladder, not only for ordinary uses, but for SUDDEN EMERGENCIES, such as FIRES, ACCIDENTS, Etc.

MANUFACTURED BY

The Armstrong Mfg. Co., Bridgeport, Conn.



Eclipse Special.

WESTERN AGENTS:
SIMMONS HDW. CO.
ST. LOUIS, MO.

Hardware Dealers

Just Ask Us For Catalogue and Quotations.

WE WILL DO THE REST.

ECLIPSE CYCLES "They Stand the Test."

ECLIPSE BICYCLE CO.,

Indianapolis, Ind. — BEAVER FALLS, PA. — Hamilton, Canada.

CYCLOMETERS.

AMERICAN INDICATOR CO.,

LAWRENCE, MASS.

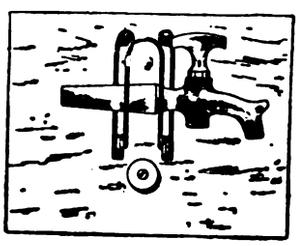
No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.

Descriptive circulars on request.

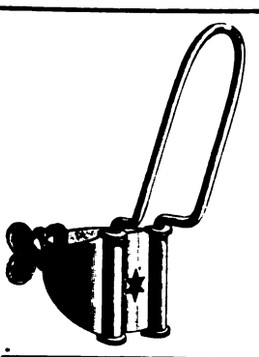
Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them.

Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON,
Monroe City, Mo.



WE NEVER IMITATE.

OUR IDEAS OF BICYCLE SUNDRIES are ORIGINAL.

WE CALL YOUR SPECIAL ATTENTION TO OUR

NEW STAR LAMP BRACKETS, CHAMOIS LINED, NICKEL PLATED.

Easiest adjusting Lamp Bracket, and will not mar the frame of bicycle. The loop is made of steel wire with spring steel collar, which is chamois lined, and has adjustable thumb screw.

Weights of Head or Handle Bar Bracket, 1½ ounces.
Weights of Fork Bracket, 2 ounces.

Cut of Fork Lamp Bracket will appear in next issue of this paper.

Star Lamp Brackets, No. 1, for handle bar
Star Lamp Brackets, No. 2, for 1⅛ in. head,
Star Lamp Brackets, No. 3, for 1⅛ in. head,
Star Lamp Brackets, No. 4, for front fork,
} 50 Cents Each.

Send for complete catalogue of Bridgeport Cyclometers, Lamp Brackets, etc. Sold by all dealers.

The Bridgeport Gun Implement Co., - 313½ Broadway, New York

SHOOT BLUE ROCKS.

You cannot do so unless you have a good trap and Electric pull. ∴ ∴ ∴

Our export trap and electric pull fills the bill. For sale by all Jobbers.



The Cleveland Target Co.

CLEVELAND, OHIO.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



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HAVE YOU SECURED YOUR AGENCY FOR 1895?

IF YOU INTEND SELLING A HIGH GRADE WHEEL

The Monarch

DON'T TAKE AN AGENCY FOR AN UNKNOWN BICYCLE.

In every State from Maine to California
IS THE SYNONYM FOR EXCELLENCE
And is acknowledged by all to be
The Most Perfect Wheel in the World.

MADE IN FIVE PERFECT MODELS.

WEIGHTS, 18 to 25 POUNDS. PRICES, $85 and $100.

IF YOU WILL ONLY EXAMINE "THE MONARCH"
YOU WILL TAKE THE AGENCY FOR NO OTHER WHEEL.

EASTERN BRANCH:
99 Reade St., N. Y.

MONARCH CYCLE CO.,

C F. GUYON CO., Ltd.
Managers.

CRESCENT BICYCLES

HIGHEST GRADE
LOWEST PRICES



Crescent No. 1, $75.

$75 NO. 1 (FOR MEN). 28 in. Wheels, 23 lbs.
NO. 4 (FOR LADIES). 26 in. Wheels, 22 lbs.

The most salable line of wheels on the market. All sizes, all prices.

$50 NO. 2 (FOR YOUTHS). 26 in Wheels, 21½ lbs.
NO. 5 (FOR MISSES.) 26 in. Wheels, 24 lbs.

MONEY CANNOT BUY BETTER WHEELS.

$40 NO. 3 (FOR BOYS). 24 in. Wheels, 21 lbs.
NO. 6 (FOR GIRLS). 24 in. Wheels, 22 lbs.

Reliable Agents wanted where we are not now represented. Catalogue Free.

Factory, Chicago, Ill.

WESTERN WHEEL WORKS,

Eastern Branch, 35 Barclay St., N. Y.

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When selecting a bicycle to represent during the coming season, consider ultimate results.

The "DORSETT" is here to stay. It represents every feature of the best wheels on the market with added points of novelty and merit that are bound to make it a "seller."

Interchangeable methods of cycle propulsion presented in the simplest and most efficient mechanical constructions, and perfectly independent of one another.

With the principles exhibited in a practical manner, and construction "special" in every part, the "DORSETT" represents the highest perfection in the art of bicycle making.

Send for catalogue which tells you all about details.

CYCLONE COMBINATION CYCLE CO., 309 BROADWAY, N. Y.

Shrewd Hardware Dealers

KNOW THE VALUE OF FINE STEEL OVER INFERIOR GRADES.

THE FRAMES OF

HELICAL TUBE PREMIERS

Are made of finer steel than can be used in any other bicycle, resulting in lighter wheels combined with greater strength. We are placing agencies with responsible parties only, and if there is no "Premier" agency in your town it will pay you to write us for catalogues and terms.

PREMIER CYCLE MANUFACTURING CO.,

34, 36 & 38 Watts Street, New York

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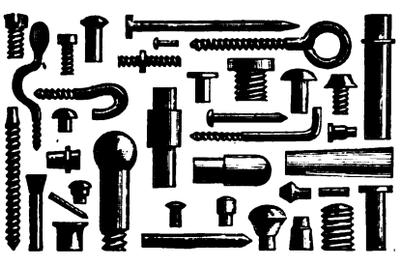
McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.



Iron & Brass Rivets,

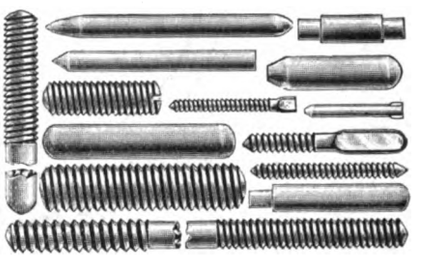
STUDS, PINS, SCREWS,

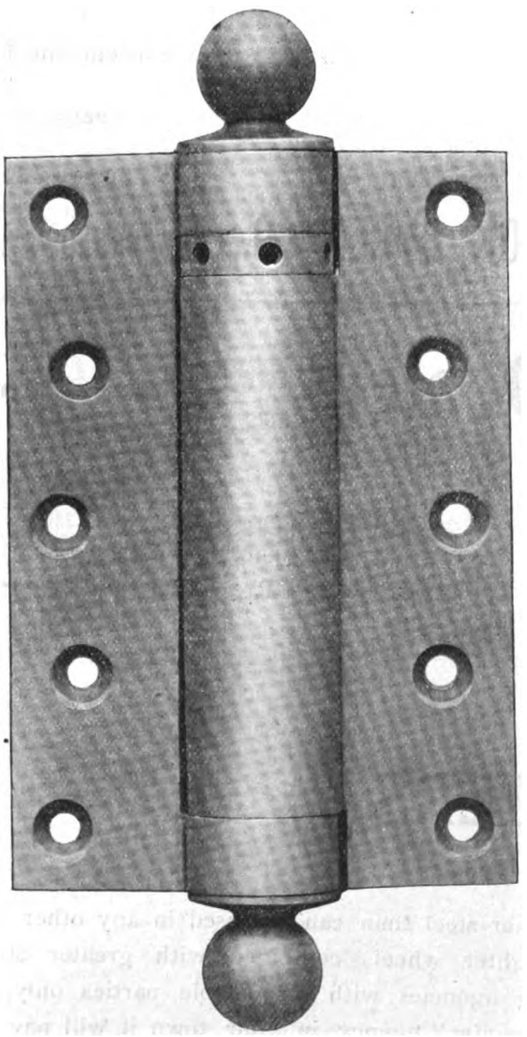
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,

WATERBURY, CONN.





NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 82 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
C. P. GOSS, Treasurer and Manager.

Scovill

Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

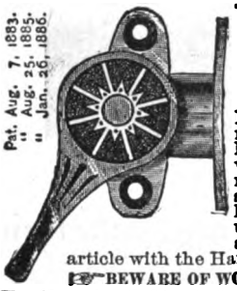
NOVELTIES IN

Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*



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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a tafven tilator and prevents rattling. Is neat, clean, simple and durable. It has been in extensive use for over eight yea s, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

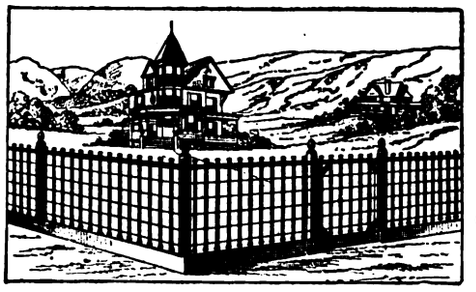
The Champion Safety Lock Co., Cleveland, O.





KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences, which is the handsomest, strongest and cheapest Lawn Fencing on the market. ∴ ∴ ∴

Send for Illustrated Circular and price list.

Our '78 Apple Parer

is the most popular machine in the market. Get your orders in early.

Reading Hardware Company.

New York,	Philadelphia,	Chicago,
96 & 98 Reade St.	514 Commerce St.	78 Wabash Ave.

Factories, - - READING, PA.



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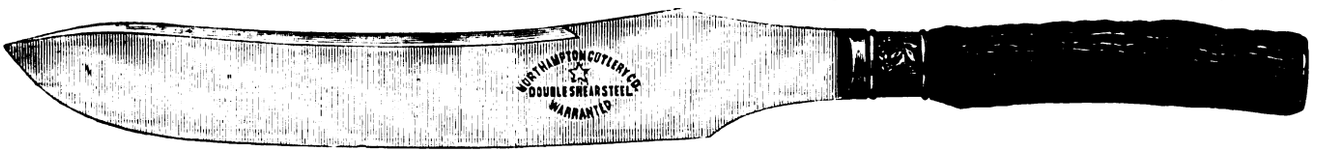
PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,

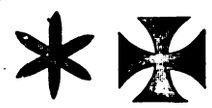


Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom, 122 Chambers Street.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & G. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO, WALTHAM CUTLERY CO, ALEXANDER FRAZER & CO., JONES & CO

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., Bridgeport, Conn.

High Grade American Cutlery.

EVERY BLADE

HAND-FORGED

FROM BAR STEEL

AND FULLY WARRANTED.

Elliott W. Langley, 74 Reade St., New York.

If you wish to learn something to your advantage, send for a sample copy of

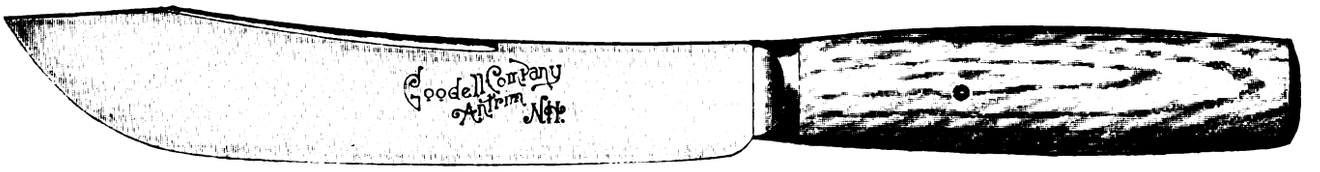
"HARDWARE."

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GOODELL COMPANY, ANTRIM, N. H.

MANUFACTURERS OF

Table Knives in great variety, Butchers, Carvers, Shoe Knives.



IN FACT JUST ABOUT EVERY THING IN THE KNIFE LINE EXCEPT POCKETS. ALL FULLY WARRANTED. PRICES ARE LOW NOW

—AGENTS:—

The Alford & Berkele Co., 77 Chambers Street, New York City.
Henry Keidel & Co., 25 Hanover Street, Baltimore, Md.
G. W. Hodges, 708 Tacoma Building, Chicago, Ill.
M. G Rodearmel, 516 Boston Block, Minneapolis, Minn.
C. A. Maydwell, 23 Davis Street, San Francisco, Cal.

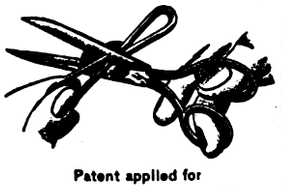


W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York. Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER



Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c

EASTMAN & CO., 64 Reade St., New York

Trade Mark.
MILLBURY RAZOR
B. & H.
COMPANY.



WE manufacture nothing but Highest Grade Razors from the finest of English steel. Every razor hand forged and hand ground. Will exchange every one not proving satisfactory. Will be pleased to send sample orders on trial. Orders may be sent to TOWER & LYON, No. 95 Chambers St., New York, or direct to factory. We are the makers of the Charles Huck Razor, but hereafter all goods will be marked with the above trade mark unless otherwise ordered.

MILLBURY RAZOR CO., - MILLBURY, MASS., U. S. A.

SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

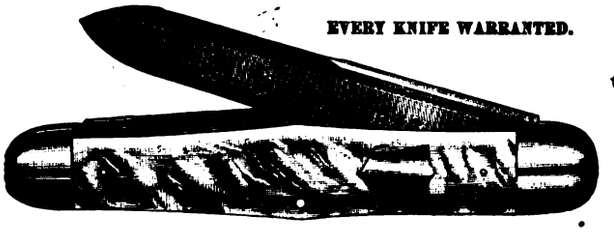
"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardware men with nothing else to divert their attention.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted. If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.

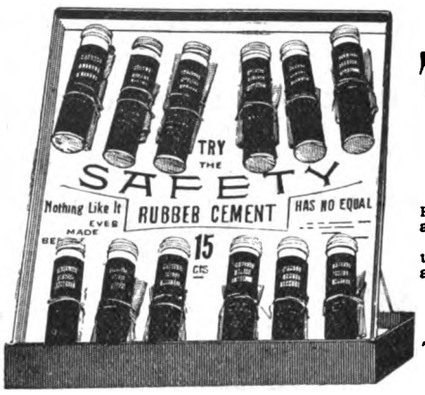
Marten Doscher,
DEPOT,
88 Chambers St., New York.

EDGE TOOLS,
G. W. Bradley's,
Horton's,
L. H. Watt's.

BENCH PLANES, &c.
Turned Work Handles, Mallets, &c.



The Best to Buy,
The Best to Sell,
And the Best to Use,
—:IS:—
The Crystal Valve Oil Can.
The Handsomest, Best and most reliable on the market.
WRITE FOR CIRCULARS AND PRICES.
STAR MANUFACTURING CO., CANTON, OHIO



"A WINNER."
The Safety Rubber Cement Outfit.
EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.
The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of **15 cents.**
Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

ESTABLISHED, 1835. INCORPORATED, 1892.
R. HEINISCH'S SONS CO., NEWARK, N. J.
New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.
CATALOGUES AND PRICES ON APPLICATION.
We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

WITH THIS NEW
Garden Cultivator



A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG, CO., ROCK FALLS, ILL.

THE WISS SHEARS AND SCISSORS.
Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence
FIND A READY SALE.

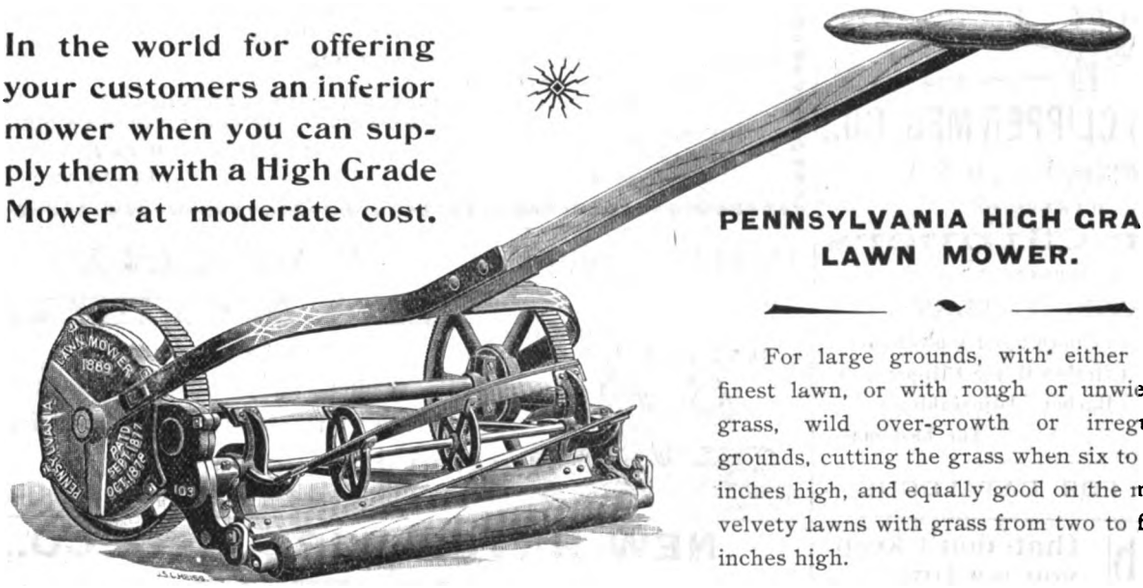
Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

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THERE IS **NOT THE SLIGHTEST EXCUSE**

In the world for offering your customers an inferior mower when you can supply them with a High Grade Mower at moderate cost.



PENNSYLVANIA HIGH GRASS LAWN MOWER.

For large grounds, with either the finest lawn, or with rough or unwieldy grass, wild over-growth or irregular grounds, cutting the grass when six to ten inches high, and equally good on the most velvety lawns with grass from two to four inches high.

Not **HOW CHEAP** But **HOW GOOD.**

Supplee Hardware Co., Philadelphia.

MANUFACTURERS OF THE

Pennsylvania. New Departure. Great American.
Continental. New Quaker City. Rapid Transit.

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

NEW YORK AGENTS FOR

CORTLAND SCREEN CO., UNION STEEL SCREW CO., EAGLE FILE CO.

WITHINGTON & COOLEY MFG. CO. Farming Tools sold for New York or factory shipments.

SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Largest stock in New York City, consisting of

O. Ames & Sons' Shovels, Spades and Scoops.

Utica Tool Co.'s Hoes and Rakes.

Knapp & Pratt Mfg. Co.'s Malleable Iron Rakes.

Chadborn & Coldwell Mfg. Co.'s Lawn Mowers.

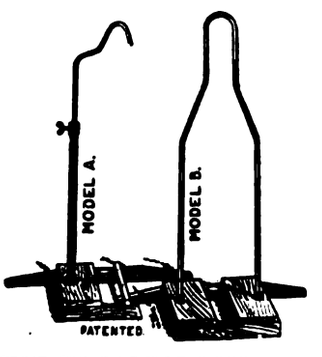
David Wadsworth & Sons' Scythes, Grass Hooks, Wooden Rakes, Scythe Snaths, Scythe Stones, &c., &c., &c.

—THE—

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME.

—Price, $1.00 Each.—

FOR SALE BY LEADING BICYCLE DEALERS

—Manufactured by—

Wm. M. Justice & Co.

PITTSBURG, PA.

Liberal Discount to the Trade.

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COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

SEND FOR CATALOGUE.

Established, 1882. **Capacity, 100,000 Tons.**

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

Dumb Waiters..... that don't keep you waiting.

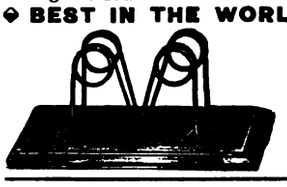
Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

TO KEEP A BROOM

Use the COMMON SENSE BROOM HOLDER. It keeps a broom dry, keeps it in shape, keeps it from rotting. Holds a Broom either end up.

BEST IN THE WORLD.



"WIRE HANGERS."

12 STYLES FOR
Ladies and Gents Garments.

WRITE FOR PRICES TO THE

BARBER-KOENIG MFG. CO.,
No. 115 North Vine St., Hazleton, Pa.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

Liberal Discounts to Dealers.
Send for Catalogue.

ENERGY MFG. CO.,
1223 S. 15th Street, PHILADELPHIA.

"Self-Closing" Tomato Vine Supports.



Cost little to get.
Nothing to keep.
Take little space for storage.
Prevent the tomato from rotting.
Allow it to ripen evenly.
Add to the appearance of the garden.

Write us for Prices and Catalogue.

We have other styles.



HANGING UP

IN USE

LEWIS MFG. CO., UTICA, N. Y.

DUMB WAITER and HAND ELEVATOR FIXTURES.

COLDWELL-WILCOX CO.,
MANUFACTURERS,
NEWBURGH, N. Y.

ESTABLISHED 1816.

WHITE, VAN GLAHN & CO., Chatham Square, New York.

HARDWARE JOBBERS,

Carry a full line of

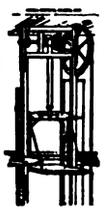
Lawn Mowers,
Poultry Netting and Wire Cloth,
Window Screens and Doors,
Barb Wire and Nails,
Hoes, Rakes, Forks, &c.
Shovels and Picks.

WRITE FOR PRICES

Sole U. S. Agents for J. B. Addis' Wood Carvers' Tools.

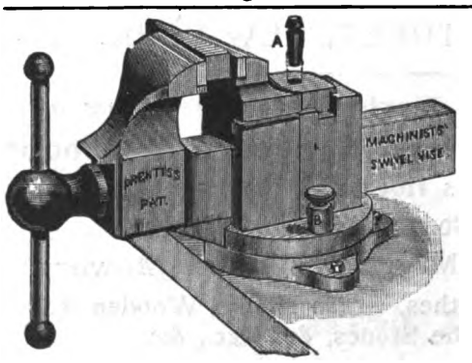
Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,
MANUFACTURERS,
44 Barclay St., New York.

"HARDWARE" has a field of its own.

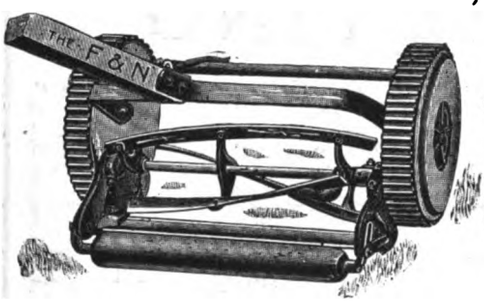
That's Why

Advertisers get results.

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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

—— AGENTS: ——

Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

DON'T

Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

Line for 1895.

List Now Ready. Send for it.

SPRINGFIELD, MASS.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.



MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.

COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS, WHICH ARE UNEQUALED.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

Wm. H. Belcher,

62 Reade St., New York.

Manufacturer and Importer,

RULES, YARD STICKS, TAILORS' SQUARES, GAUGERS IMPLEMENTS, SHRINKAGE RULES, SHOE SIZESTICKS, GLASS CUTTERS' RULES, STRAIGHT EDGES, &c.

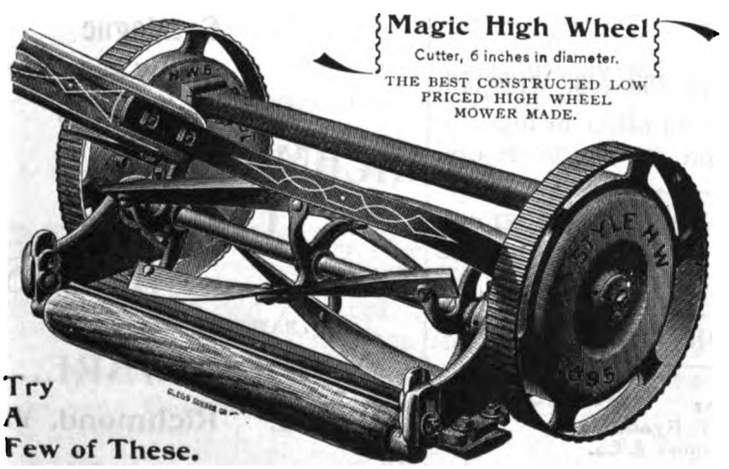
SEND FOR OUR CIRCULAR ON
Lawn Mowers,
" Settees,
" Rakes,
" Sprinklers,
" Etc., Etc.

COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

These Lawn Mowers are as Good as Money Can Buy.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS



Try A Few of These.

WERE THE

OFFICIAL

MOWERS OF THE

Columbian Exposition.

OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters from D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,

Richmond, Ind. U. S. A.

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THRESHER BELTING

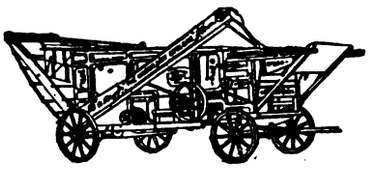
If "High Grade"



This is the Belt.

Read the Guarantee

Will make an old machine run better



and a new one unnecessary. -:- -:-

To the Hardware and Implement Trade.
Write to
CLEVELAND RUBBER WORKS,
Of the Mechanical Rubber Co.,
CLEVELAND, OHIO.

Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI...
WASHERS.

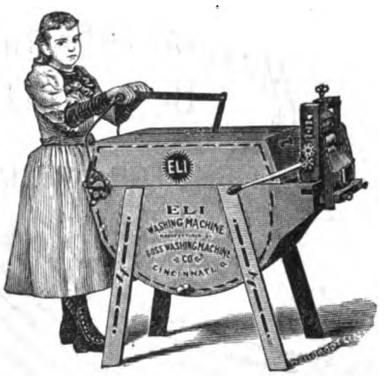
BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

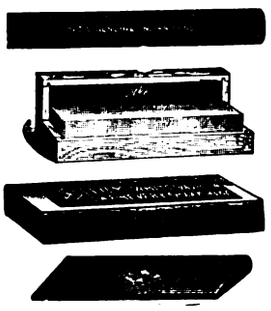
214-216 West Pearl St., Cincinnati, O.



SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

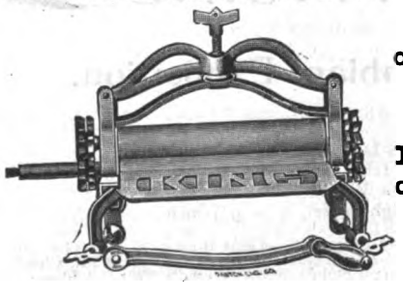
GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND.
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG.
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.

COLUMBIA WASHING MACHINE

Made of Best Virginia White Cedar.
All Trimmings, Casting, etc., Galvanized.

An Easy Seller. Prices and Catalogue gladly sent on application.

RICHMOND CEDAR WORKS,

MANUFACTURERS OF

WOODENWARE,

Mention HARDWARE. Richmond, Va.

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100%



The above figure represents the increase in the sales of the

Cream City Flour Bin

during the first four months of 1895 over those made in the corresponding time in 1894.

They are not as cheap as other similar devices, but they are so much better, that the people will buy them. An article that has merit, and is sold at a reasonable price, should commend itself to the attention of progressive dealers.

Respectfully,

The Geuder & Paeschke Mfg. Co.,

MANUFACTURERS,

Milwaukee, Wisconsin.

NEW

GALVANIZED WATERING POTS.



Improved Spouts. Deep Deflected Bottoms.

MADE OF GOOD MATERIAL.

Galvanized after being put together.

THE BEST LOOKING AND BEST MADE WATERING POT YET OFFERED.

MADE ONLY BY

MATTHAI, INGRAM & CO.

ALSO MANUFACTURERS OF A FULL LINE OF

Stamped, Pieced and Japanned Tinware, Mottled Enameled Ware, Galvanized Iron Ware, and Sheet Metal Goods.

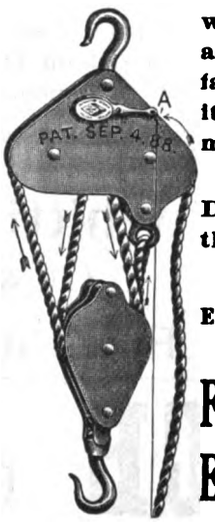
Factory and Salesrooms, BALTIMORE, MD.

NEW YORK BRANCH
Cliff Street.

CHICAGO: 237 Lake Street.
G. M. Richardson in charge

THE

"Sure Grip" Steel Tackle Block



will hold load at any point without fastening the rope; it is the best on the market.

It pays Hardware Dealers to handle them.

Send for Catalogue.

ESTABLISHED 1852.

Fulton Iron & Engine Works

26 Brush Street, Detroit, Mich.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

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ASBESTOS TORCH

For destroying Caterpillars and other insects. Very useful as a Fishing Torch.

Order sample lot.

Price, $4.00 per doz.
50 cents each.

HERO CHURNS.

The Best and Lowest priced Barrel Churn in the market. Can be sold at prices other makes cost.



Smith & Whittier, Selling Agents,

116 & 118 North St., Boston.

Wood Fibre and Tin Ware.

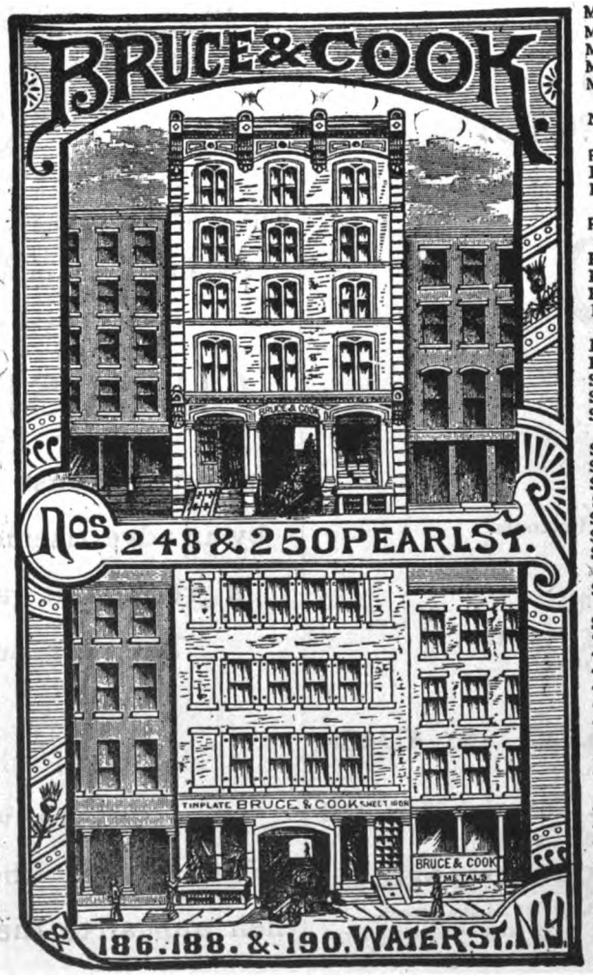
BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

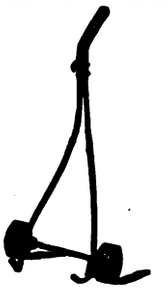
NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,

Gouverneur, N. Y.

U. S. A.

TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

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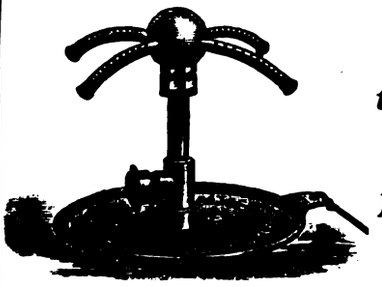
THE ENTERPRISE M'F'G CO. of PA., Third and Dauphin Streets, Philadelphia.

CHERRY STONERS.



PRICES
No. 1, Japanned,
$7.50 per dozen.
No. 2, Tinned
$9.00 per dozen.

LAWN SPRINKLERS.



Indispensable to a Well Kept Lawn.

No. 1, $3.50.
No. 2, $2.75.

FRUIT & JELLY PRESS,
TINNED.

Invaluable for making
Wines, Jellies & Fruit Butters.



Price, . $3.00

RAISIN SEEDER,
TINNED.

Will Remove Every Seed Without Waste.

PRICE.
No. 36, . $1.00



Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

FOR SALE BY THE HARDWARE TRADE. SEND FOR CATALOGUE, FREE.

To The Hardware and Cycle Trade:

We are offering the finest lines of the following goods in New York City and specially **commend them** to those who are **re-fitting their stores or establishing new ones. Our prices are the lowest** in the market, consistent with high quality goods.

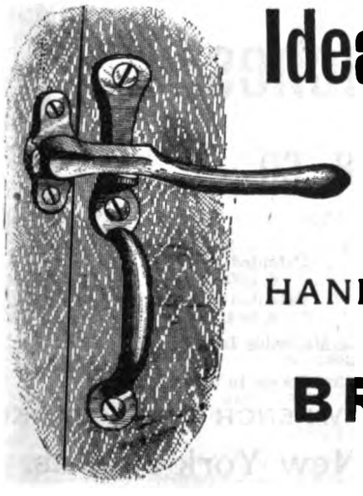


Empire Desk Co., Have removed to 307 Canal St., and 49 Howard Street, New York.

— MANUFACTURERS OF —

ROLL-TOP DESKS, STORE STOOLS, CASHIERS' AND TYPEWRITERS' DESKS, FILING CASES, CHAIRS,
And the Largest Line of OFFICE FURNITURE in New York.

Office Partitions, Railings, Sample Tables, or any kind of Special Work to order.



Ideal Refrigerator Door Fastener.

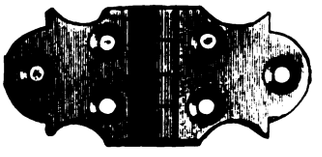
SIMPLE,
DURABLE,
PRACTICAL.

HANDLE AND WEDGE COMBINED.

MANUFACTURED BY

BRABSON BROS.,

NEWARK, N. J.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

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Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT
Galvanized Iron
Tubing and Curb



No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.

More Durability.
Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue.

Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.



The Perfection Pumps.

Over 32,000 sold in 1894. Have been manufactured for 9 years. This is evidence of the superiority of

THE PERFECTION WATER ELEVATOR AND PURIFYING PUMP

is guaranteed to Purify the foulest well or cistern in 10 days ordinary use. Extra heavy Double Geared fixture and Solid Cast Iron Combination Spout and Receiver are new features for 1895. No soldering on our bucket or chain. Bucket made of one piece of steel folded by double lap seams and galvanized after constructed guaranteed for 10 years. Unprincipled manufacturers will tell you their pump is as good as the "Perfection." All we ask is a comparison. No hoop iron; no bottom wheel made of sheet iron hooked together and filled with sand. No deception in the "Perfection" every thing solid and durable as skill and money can make it. Buy no other but the "Perfection." All of the leading jobbers of the world handle the "Perfection." Write us for general information.

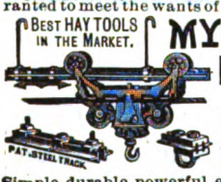
ST. JOSEPH PUMP CO.,

Exclusive Manfr. ST. JOSEPH, MO., U. S. A.

E. A. King, Secty. and Mgr.

MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.

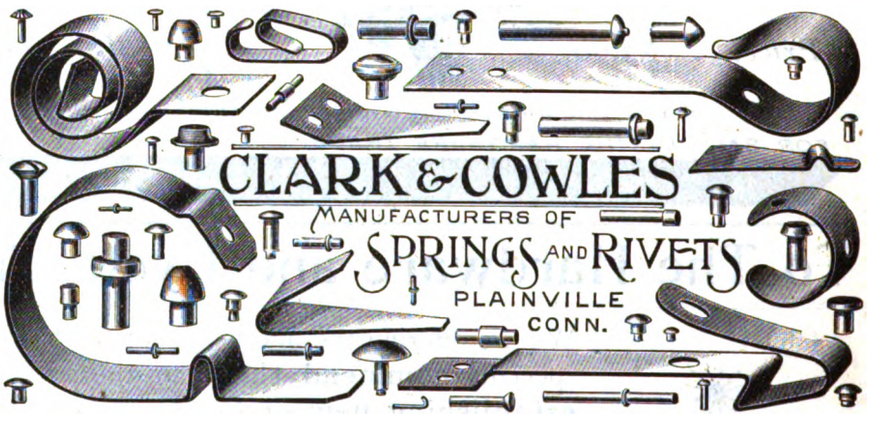


MYERS' FORCE AND LIFT PUMPS

GREATEST IMPROVEMENT OF THE AGE.

Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

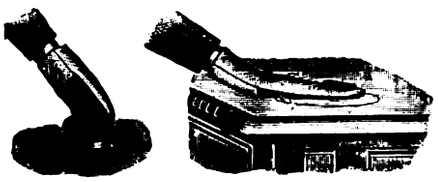


PUMPS

WOOD AND IRON. OUR WOODEN PUMP IS THE BEST MADE. THEY ARE FIRST CLASS IN EVERY RESPECT. ONLY ONE DEALER IN A TOWN ALLOWED TO HANDLE THEM. WRITE TO US TO-DAY.

COMSTOCK & COONSE CO.,
INDIANAPOLIS, IND.

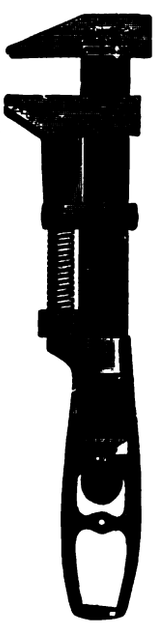
Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.

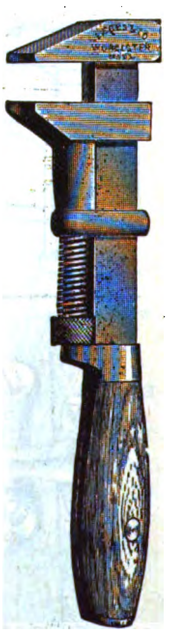


L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.

MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

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Our Latest is the Ormonde



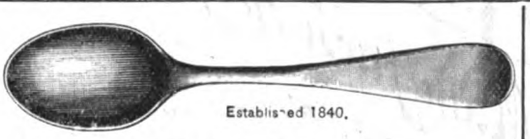
And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.

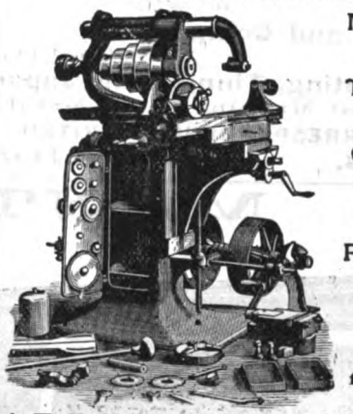


Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

Howard Iron Works,
BUFFALO, N. Y.
Manufacturers of
Bench Vises.
Price Lists sent on application.



THE GARVIN MACHINE CO.,
MANUFACTURERS OF AND DEALERS IN

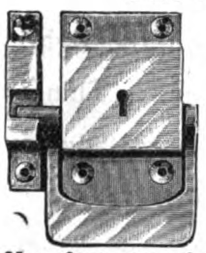


MILLING MACHINES,
SCREW MACHINES,
TAPPING MACHINES,
HAND LATHES,
CUTTER GRINDERS,
DRILL PRESSES,
ENGINE LATHES,
PLANERS, SHAPERS,
POWER PRESSES,
ETC.

SPECIAL MACHINERY for the MANUFACTURE of BICYCLES.

A Full Stock of New and Second-Hand Machinery Always on Hand at our Warerooms
LAIGHT & CANAL STS., - NEW YORK,
and 51 North 7th St., Philadelphia, Pa.

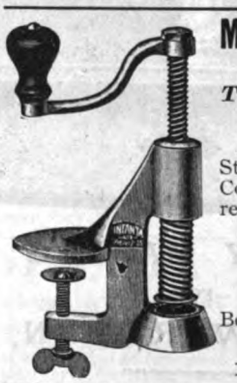
The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY
P. J. CONROY,
PHILADELPHIA PA.

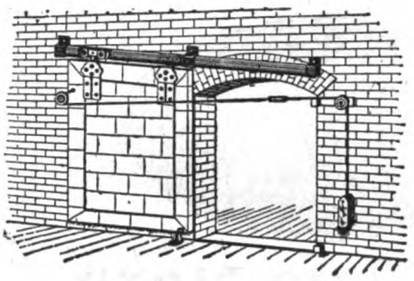
Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.



MERIDEN MALLEABLE IRON CO.,
SOLE MANUFACTURERS OF
THE INFANTA CORK PULLER
Patented Jan. 1, 1895.
All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also
THE RAPID CORK PULLER
AND
RAPID LEMON SQUEEZER.
Best in the market. Send for circulars and prices.
MERIDEN, CONN., U. S. A.

A friend in England writes: "The fact of the matter is, there is not much trade here. However, we are living in hopes. Scotland has not recovered from the bad effects of the coal strike last year, and a strike which has been in force in the boat trade, is just settled. These two facts, coupled with a backward season, have no doubt had their influences upon trade."

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Liberal discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,

146 Franklin St., Boston, Mass.

WOOD MANTELS.



PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.

WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address

FOREHAND ARMS CO.,
WORCESTER, MASS.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, PARKER BROS., MAKERS, Meriden, Conn.

WINNER OF GRAND AMERICAN HANDICAP OF 1895.

REMINGTON HAMMERLESS GUNS.

Automatic and non-Aut. Ejecting.

THE FINEST AMERICAN GUNS EVER OFFERED.



10 Qualities, from $45.00 Upwards.

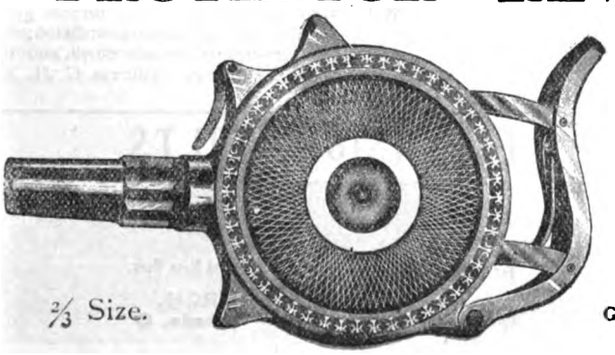
GUARANTEED FOR NITRO POWDERS.

Complete Catalogue of Remington Firearms on application.

REMINGTON ARMS CO., - ILION, N. Y.

Makers of the Celebrated Remington Bicycle, office, 313-315 Broadway, New York.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.
GEO. J. WELLS, Agent,
88 Chambers St., New York.

Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at : · :

75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : :

J. H. SEED, Manufacturer,
21 & 23 Centre Street, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

F. H. WEEKS - AKRON, OHIO

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The Yale & Towne Mfg. Co.,

Manufacturers of BUILDERS' HARDWARE.

GENERAL OFFICES: 280 Broadway, New York.

WAREROOMS:

NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.

Works: Stamford, Conn. / Branford, Conn.

BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Building.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

AN importer of pocket knives, scissors and razors desires one or two first-class salesmen, who are thoroughly familiar with these lines and know the trade; highest salary paid. Address, stating full particulars, Good Chance, care HARDWARE, No. 143 Chambers Street, New York.

A1 SALESMAN wanted to visit the Jobbing trade of New York and Pennsylvania. Liberal commission. Address L. L. W., care HARDWARE, No. 143 Chambers Street, New York.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A competent salesman of table cutlery; one who can command trade and manage that department. Address R., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A POSITION wanted either in the house or on the road, by a young man of ten years' experience in general Hardware and several years as traveling salesman in Pennsylvania, Maryland and West Virginia. Address C. W. Shires, Bedford, Pa.

AN energetic young man who has filled every position in the jobbing, Implement and Hardware business from stenographer to manager desires to connect himself with some Eastern manufacturer either at factory or as representative at some point in this country. Address W. J. S., care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 25, desires position as assistant bookkeeper and general man in a Hardware concern. Can furnish A1 references as to ability, etc. Five years' experience in Hardware line. Address J. H., No. 412 Eighth Avenue, New York City.

A POSITION by a young man. Six years' experience in large builders' Hardware manufacturing concern. Well acquainted with builders' Hardware and estimate work. Discount, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as salesman, traveling or in store, of wholesale or retail general Hardware or cutlery house. Have had ten years' experience as buyer and head salesman in above lines, and will furnish the highest references. X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as traveler for Hardware or Hardware specialties by a man of some ability and eight years' experience. References my present employers. T. A. Stroud, Pine Bluff, Ark.

SITUATION wanted to auctioneer job lots or Hardware specialties through the West, by a man who has had twenty years' experience in that line, and can furnish A1 references. Would be pleased to correspond with job lot dealers. Address P. H. Starr, Norwalk, Ohio.

AN experienced Hardware salesman, ten years on the road, desires a position with a first-class cutlery or Hardware house. Best of references as to character and ability. Address H. W., care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted by a man with twenty years' experience in the Hardware business. Thoroughly posted in builders' Hardware and house-furnishing goods. Will accept position in house or on the road. Address Brooklyn, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Experienced Hardware salesman, seven years introducing to architects and large trade extensive territory. Ability, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Position desired as such to represent first class firm, California preferred. Smart, well educated, used to traveling in States, Canada, England and Germany. Fifteen years' references. Age, 31. Address F. N. Co., No 1710 Amsterdam Avenue, New York.

BICYCLE DEPARTMENT.—A1 man of many years' experience, thoroughly well posted in regard to every detail of the bicycle business; first-class salesman, good advertiser and persistent hard worker would like charge of this department or is open to offers. C. C. L., care HARDWARE, No. 143 Chambers Street, New York.

A COMPETENT young lady, who has had business experience, would like position of stenographer and typewriter in some reliable Hardware house. First-class references given. Address Typewriter, care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted by a first-class tinner, an expert at furnace work, roofing, spouting and general jobbing and repairing; also understands bicycle repairing. Young man, single, speaks English and German; industrious, steady and sober. References. Address H. F. Thompson, No. 135 Lake Street, Chicago, Ill.

A FIRST-CLASS cutlery salesman is open to engagement to travel. Is now under contract which is about to expire. References given and required. Address "Cutlery Salesman," care HARDWARE, No. 143 Chambers Street, New York.

A LIVE, energetic young man recently employed by leading cutlery importer, desires to represent a German manufacturer to take importation orders for pocket-knives, razors or scissors. An experienced traveler and possessing the highest references. Address Norroton, care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty-four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware, stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Lake County, Ohio.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue. Toledo, O

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Situations Wanted.

BICYCLES—A1 man of many years' experience, thoroughly well-posted in regard to every detail of the bicycle business. First-class advertiser and persistent worker would like to have charge of this department or have propositions. Address to Cycle Propositions, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—By a young man with twelve years' experience in the Hardware business, a position either in the house or on the road. Unquestionable references. Address M. G., care HARDWARE, No. 143 Chambers Street, New York.

A SHEET metal salesman with eight years' factory experience, wishes a change of employers, same line, or with manufacturing or jobbing Hardware house. Address "New Jersey," care HARDWARE, No. 143 Chambers Street, New York.

A POSITION as commercial traveler is wanted by young man of great ability, having a fine education. Good references given. Address J. N. Patterson, England, Pa.

YOUNG man, twenty-two, desires situation in city or country; rapid penman; accurate, honest, temperate; liking for hard work; can give bond. Address A. E. McLean, Tremont, N. Y. C.

WANTED—By a young man, thirty-five years of age, with fourteen years' experience in the retail Hardware business, position as salesman with a good house. Thoroughly posted in builders' Hardware, and capable of making estimates from architects' specifications. Can furnish unexceptional references. Address Capable, care HARDWARE, No. 143 Chambers Street, New York.

POSITION by a young man to represent barbers' supply or good cutlery house in two or three Southern States. Good references as to character and ability; three years' experience with barbers' supply and cutlery house. Address, stating salary given, to Cutlery, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

TRAVELING salesman, of long experience, acquainted with Hardware trade through Middle and Western States, wants side line from manufacturer; mechanics' tools preferred. Address C. D. Ferre, No. 9 Locust Street, Springfield, Mass.

THE subscriber desires to recommend a first-class traveling salesman, at present covering the State of Colorado with samples of crockery, to manufacturers of Hardware or other similar lines desirous of being efficiently represented in that territory. Address Henry W. Darling, Treasurer General Electric Co., Schenectady, N. Y.

WANTED side line of leading manufacturer by builders' Hardware salesman for New York, Brooklyn, Philadelphia, Boston, and large towns in New York State and New England, also Baltimore, Washington and New Jersey. First-class references. Address Chipman, care HARDWARE, No. 143 Chambers Street, New York.

WANTED a line of "corrugated conductors," etc., or Hardware specialties for Milwaukee and Wisconsin trade. "S.," No. 334 Twenty-first Avenue, Milwaukee, Wis.

TRAVELING salesman with established trade in leading towns in Middle and Western States, wants a line, or good specialty to sell Hardware trade on commission. Address Good Trade, care HARDWARE, No. 143 Chambers Street, New York.

AN active agent with large personal acquaintance with jobbing and retail toy trade wishes a line of small iron toys on commission for Baltimore and Washington, D. C. Best of references. Address C. F. M., corner Bond and Gay Streets, Baltimore, Md.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WE want traveling salesmen to sell our washer direct to the retail trade, We will allow a liberal commission, and also allow them a commission on all mail orders coming from their customers. For full particulars address the Rocker Washer Co, Ft. Wayne, Ind.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

WANTED Agents for Ariston Cycles in States of New York, New Jersey and Connecticut. Address Hoole Machine & Engraving Works, No. 83 Reade Street, New York.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

WANTED—Active, energetic traveling Hardware salesman to carry an article as a side line which will interest every dealer. Large commissions paid. Address Richmond Safety Gate Co., Richmond, Ind.

WANTED—Experienced Salesman in Western States to sell good staple in Hardware line, representing manufacturer direct. Liberal commission. Address Box 156, Wilkinsburg P. O., Pittsburg, Pa.

Agencies for Hardware Specialties Wanted.

AN active, pushing salesman, having large acquaintance among Hardware, department stores, etc., in New York, Philadelphia and the South, desires to add a good line on commission. Manufacturer's agency preferred. Highest references. Address "Specialties," care HARDWARE, No. 143 Chambers Street, New York.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged. Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

WHO has got a good line or specialty to sell to Hardware trade, that would like to be represented in New York City by party having established trade, on commission or otherwise? Address Hardware Selling Co., care HARDWARE, No 143 Chambers Street, New York.

Bicycle Agency Wanted.

WANTED for Chicago and vicinity the agency for a good standard bicycle by three live men. For the trade only. Good showroom on prominent thoroughfare. D. Hymes, No. 135 Lake Street, Chicago Ill.

Business Opportunity.

WANTED an experienced partner with $3000 to take half interest in an established Hardware business in a growing town. Address H. H. H., P.O. Box 2383, New York City.

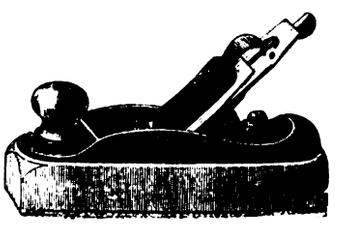
WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.



THE SAMUEL I. GOODALL CO.,

MANUFACTURERS OF

Bailey Pattern Planes, Try Squares Bevels, Etc.

Philadelphia, Pa., U. S. A.



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"Excellent Cream!"

WHITE MOUNTAIN FREEZER

Improved for 1895

With which the finest quality of cream can be produced in Four Minutes.

As features of especial merit we claim:

A STRONG, waterproof tub, bound with heavy, galvanized iron hoops that fully protect the tub, and do not fall off; the gearing completely covered, so that nothing can get between the cogs. Cans full size and made of the very best quality of charcoal tin plate; beaters of malleable iron and tinned; all castings attached to the tub nicely galvanized to prevent rusting. It is the only Freezer in the world having the CELEBRATED DUPLEX DASHER, WITH DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by the use of which cream can be frozen in less time, yet finer and smoother than can possibly be produced in any other Freezer now in use.

Get the Best. All Leading Jobbers Sell Them.

THE WHITE MOUNTAIN FREEZER CO., Nashua, N.H.

The BEST FREEZERS Made

HAVE
Electric-Welded Wire Hoop Pails,
MADE OF
Best Virginia White Cedar,
AND
Drawn Steel Bottom Cans.

SOLD BY LEADING JOBBERS.







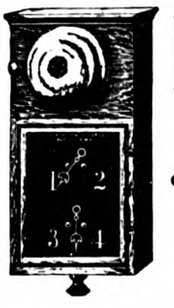
HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

STRONGER. LAST LONGER. HANDSOMER. EQUALLED BY NONE

IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

Manufactured Exclusively by

North Bros. Mfg. Co., Philadelphia, Pa.



House... ...Goods Supplies.

ESTABLISHED 1867

Partrick & Carter Co.
Electrical Supplies
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

OHIO ICE CREAM



A high-grade Freezer.
Mechanically Correct.
Fittings Accurate.
Easily Cleaned.

"THE RESULT OF 25 YEARS' EXPERIENCE."

Thoroughly mixes the Cream from bottom to top. Neither Salt nor Oil can reach the Cream. It has all the good points of other makes, and many more of its own.

THE
Saml. C. Tatum Co.
Sole Mfrs.,
254 Water Street,
Cincinnati, O.

FREEZER

FAITH
—IN—
ADVERTISING
contributes to success, without faith you will be blind to good results.
Advertise in
HARDWARE.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—$ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—$ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
SHOT—
Drop Shot, sizes smaller than B, 25-lb bags $ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, $ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, $ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, $ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, $ bag.....$1.35
Buck and Chilled Shot, 5-lb bags, $ bag.....$ .35
Dust Shot, 25-lb bags, $ bag....$1.75
Dust Shot, 5-lb bags, $ bag....$ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B..1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb.....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb.....8.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb.....1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb.....1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb.....1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....1.50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Anvils—
Eagle Anvils, $ lb 9c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe".....9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....30&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits25%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%
HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, $ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $36; 2, $18...40@40&5%
Stearns' Expansive, No. 2, $48....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....35&10&10%
Sargent's Expansive.....30&10&10%
GIMLET BITS—
Diamond $ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, $ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....25@25&10%
Snell's.....25&25&10%

Awls—
Sewing, Common.....60%
Should. Peg $ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad, $ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....80%
Socket Scratch $ doz., $1.50..25&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 $ doz. $7.50; No. 20, $ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....$ doz. 9.00
Yankee.....$ doz. 10.00
Wide Bit.....$ doz. 10.00
Rockaway.....$ doz. 10 00
Dock.....$ doz. 15.00
Firemen's.....$ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....$ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, $ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, $ doz.....$12.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%
HATCHETS—
American Axe & Tool Co.40 & 10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb:
Broad.....40&10@50%
Shingling.....40&10@50%
Lathing.....40&10@50%
Warehouse.....40&10@50%
Collins.....10%

Balances—
Straight Spring balances.40&10@50%
Common 24 lb.....$ doz. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's $ doz. 80c 95c $1.75 net
Chatillon's Spring Bal....40@40&10%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—
HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Kell & Son Trip Gongs...50%
DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....33⅓&10%
Gong, Yankee.....45&10%
Gong, Barton's.....40&10@50&0%
Crank, Taylor's.....25&10%
Crank, Brooks'.....2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—
Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War, 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per dos.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..$ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 3, $9. 25&10&5%
McGill's.....$ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 $ doz.....25%
Millers Falls $ doz. $4.50.....25%
Wm. Johnson's:
7½x1½x1, $ doz. $11.00.....50%
9x1½x1, $ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, $ doz. $15 40@40&10%
Ives' $ doz. $30.00....60&5@60&10%

Blind Adjusters—
Domestic..$ doz. $3..33⅓@33⅓&10%
Excelsior..$ doz. $10.00...50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls $ set $1.00.....20%
Austin & Eddy $ gro. sets.....$5.50
Forhans Improved Star Tenon $ gro. $1.00.....25%
Mackerell's, $ doz. $1.00..20@20&10%
Merriman's Brass Lever $ gr. $15.00
Merriman's Iron Lever $ gr...$9.00
Security Gravity $ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate $ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75&10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75&10@80%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.66⅔%
Wr't Sunk Flush, Sargent's list. 60@10%
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &C.—
Com. Jan. 30, '95.70&10&5@70&10&10%
Genuine Eagle, list Oct. '84...80&5@ 80&10%
Phila. pattern, list Oct. 7, '84.....80%
R. B. & W., old list.....70&10%
Machine list Jan. 30, '95.....75&10%
Bolt Ends, list Jan. 30, '95.80@80&5%
TIRE—
Common, list Feb. 28, '83.....70&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '83.....70&10%
Keystone, Phila., list Oct. '84.80&10%
Norway, Phila., list Oct. '84.75&10%
American Screw Co.:
Norway, Pa., list Oct. 16, '84.75&10%
Eagle Phila., list Oct. 16, '84.80&10%
Bay State, list Feb. 28, '83...70&10%
B. R. & W., list Oct. 16, '84.....80%
STOVE AND PLOW—
Stove.....70%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%
MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7.00.....33⅓%
"New Easy" Bolt Clipper, $9.00.33⅓%

Bone Mills—
Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40&10&10%
Jennings'	5.50	6.75, 50@50&5%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50 ....
Millers Falls		7.50 .... 25%

Bow Pins—
Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co. 60&10@60&10&10%

Braces—
Barber's.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@50&10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%
Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $3.10; 10 in. $3.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50@40&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 23, 25, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10&5%
Nos. 13, 26, 26, 27.....70&10&5%
Ball Braces, net, $ doz. $1.13@$1.35
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.70@70&10%
Window Screen Corner.....70&10%

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Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....90&20@90&25%

Bull Rings—
Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...80%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—
Enterprise.....25%

Butter and Cheese Tryers—
Ordinary.....25%

Butt Gauges—
Stanley's.....20&10%

Butts—
BRASS—
Wrought Brass.....80&10@80&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....60@60&10%
Fast Joint, Broad 60&10@60&10&10%
Loose Joint.....75&10@8 %
Loose Joint, Japanned....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@8 %
Parliament Butts.....75&10@80%
Mayer's Hinges.....75@10@8 %
Loose Pin, Acorns.....75&10@80%
Loose Pin, Acorns, Jap...75&10@80%
Loose Pin, Acorns, Japanned, Plated Tips.....75&10@80%
WROUGHT—
List, April 1, 1895.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c.....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 75%
Bronzed Wrt. Butts.5 &10@50&10&5%

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00. 25%
American.....₩ gross $1.75@$2.00
Dunlap's Iron Handle, No. 8 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.8$1.75.25%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka.....₩ doz. $3.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star.....₩ doz. $2.75
Sprague, No. 1, $3.00; 2, $2.25; 3 $3.50, 70%
World's Best, ₩ gr., No. 1, $13.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....55&5%
Domestic, ₩ doz. $3.00.....45%
Champion, ₩ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....75%

Caps—
See Ammunition.

Cards—
Horse and Curry.....20@35%
Cotton.....2 @25%
Wool.....2 @25%

Carpet Stretchers—
Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points.₩ doz. 85c 20%
Bullard's.....30%
Dunlap's.....25%
Wm. Johnson's Socket.....50%

Carpet Sweepers—
Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₩ doz. $31.00
Domestic, No. 2.....₩ doz. $22.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Standard.....₩ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} 60&10@70%
Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Payson's Anti-friction.....70&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....35%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s...70&10@70&10&10%
Sargent's.....70&10@70&10&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....66⅔%

Chains—
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Chain—
Trace, 6½-10-3, ₩ pair, $1.08.....60&10%
Trace, 6½-10-3, ₩ pair 92c.....60%
Trace, 7-10-3, ₩ pair $1.11.....60%
Log, Fifth Stretcher, other fancy Chains.....60&10&5@60&10&10&5%
German Coil.....60&10%
German Halter Chain.....60&10%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₩ ℔ 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Cherry Stoners—
Enterprise.....25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 80@80&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....$4.75@$5.00 to £
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....30%
Morse's, Adjustable, each $7.00 20@30&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....30%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $3.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's..75@75&5%
Carriage Makers' P. S. & W. Co..40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle.....70@70&5%
Spring Bar Clips.....60&10&10@ 0%
Superior Axle Clips.....70@7 &5%

Cockeyes—
Triangular and Screw..... 60&5%

Coffee Mills—
Box and Side.....60@60&10%
Am. Enterprise Mfg. Co.....25%
The Swift, Lane Bros.....30%
Wapdell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....55%
Brown & Sharpe Micrometer.35&10%
Calipers, Wing.....60%
Inside or Outside.....55%
Double.....55%
Call's Pat. Inside.....55%
Stevens's "Ideal".....35%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....30%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....30%
Barton's.....20@20&5%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
Williamson's.....33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....₩ doz $10.00

Corn Huskers—
Blairs Gloves, ₩ doz. pair: No. 138, $6; No. 142, $7; No. 145, $7; No 146, $9; No. 150, $9; No 152, $7.50; No. 170, $2.....6%
Hubbard's Solid Steel. ₩ gr 6.00 33⅓
Perkins Bens:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $8.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—
Spring, Jap'd ₩ doz $1.75; Blued, $2 25; Nickeled. $3.00.
Rubber, ₩ doz. $7.50..... .....20%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½ 5
$1.35 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.25, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List: Chain (full assortment).....40%
Leather (full assortment)..50&10%
Medford Fancy Goods Co. list.....40%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....20%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $30.00.....20%
Warner's.....55@55&5%
Gem (Coil), list April 19, 1886..20& 20%
Star (Coil), list April 19, 1886. 20&10%
Foster's (Coil).....20%
Champion (Coil)....55&10@55&10&5%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50@ 50&10%
Rubber, complete, ₩ doz. $5.50. 66⅔&@70%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 80@80&10%
Merrill.....60&10@80&10&10%
Douglass.....75@75&10%
Watrous.....15 10@20%
L. & I. J. White.....2 &5@25%
Bradley's.....25%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $3.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $3.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 @11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone. .33⅓%

Egg Poachers—
Morgan Steam, No. 3. No. 5.
₩ doz. $4.20 $6.00.....40%

Emery—
No. 4 to No. 54 to Flour, CF FF.

	46 gr.	150 gr.	
Kegs, ₩ ℔..4½c	5c	2¼c	
½ kegs, ₩ ℔.4¾c	5½c	2¾c	
¼ kegs, ₩ ℔. 5c	5½c	3c	
10 ℔ cans, 10 in case.... 6c	½c	5c	
10 ℔ cans, less than 10.. 10c	10c	7½c	

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ₩ gro $4.50
No. 6, ₩ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%

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Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓&5%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar,bbl.lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓&5%
Lane's ₩ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3.75	$4.00
Dairy Pails, 14 qt.	$3.33.	4.00	
Fire Pails, No. 2, 14 qt. $4 00	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x, 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5 50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3.50	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)	3.50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed)	3.50	4.00	4.50
Spittoons, 10 and 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—
DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c 60@60&10%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagle.....60&10&10@70%
American.....60&10&5@70%
New York File Works....60&10&10%
Other makers best brands,60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't&5010%
IMPORTED—
Moss & Gamble, List April 1, 1883..15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—
Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—
Knox.....35%
Geneva Hand Fluter, White Metal, ₩ doz. $12.00....25&5%
Crown Fluters.....30%

Fluting Scissors—
List.....45%

Fly Fans—
Columbia.....10%
Fowlers ₩ doz.....$21.00
Keyless M. & I. Co. ₩ doz.....$21.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Ohio.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co.....25%
Henis.....₩ doz $3.50
Shepard's Queen City.....40%

Fry Pans—
Standard List:

No	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
₩ doz	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stube' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—
Dodd's Liquid Glue.....25&25&5%

Glue Pots—
Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Graters—
Enterprise.....25%

Grindstones—
Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....30%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's.....₩ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ¼ in. Jute.....
Rope, ½ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.....
Jute Horse and Cattle Ties.....
} 40%
Upson & Wooding.....40%

Hammers—
HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co.....
Humason & Beckley.....
Atha Tool Co.....
Fayette R. Plumb.....
} 40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ₩ doz. Nos. 1, $3; 2, $6.....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%
HEAVY HAMMERS AND SLEDGES—
Under 3 ℔...₩ ℔ 45c
3 to 5 ℔.....₩ ℔ 38c
Over 5 ℔.....₩ ℔ 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c₩ ℔

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%
STORE DOOR HANDLES.—
Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%
DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as..₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as..₩ gr 3.00
} 40@50%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted...₩ gr 5.00
Auger, large.....₩ gr 7.00
} 30@30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓&5%

Hangers—
Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....55%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&5%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ₩ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 80 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓&5%
Moore's Elevator.....33⅓&5%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.....30%

Hay and Straw Knives—
Lightning. Mfrs' price ₩ doz $18.00,45%
Gem.....₩ doz $10
Wadsworth's.....40%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hood... { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. { ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔.....$4.75
SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....30%
Acme.....30%
J. S.....35&10%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.00
New Idea ₩ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....30%
Oxford.....20%
Barker's Double Acting...35@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@30%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....66%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....30%
Rubber.....66⅔%
GATE HINGES—
Western.....₩ doz $4.40, 60%
N. E.....₩ doz $7.00, 55%
N. E. Reversible, ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....₩ doz $5.00, 55&10%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing.....50%
BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 3, 5, 40 and 50.....30%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....30%
Buffalo.....30%
Clark's Genuine Pattern.....30%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c.....30%
Planter's Cotton, &c.....30%
Warren Hoe.....65%
Magic.....₩ doz $4.00
Dunlap's:
Boys' hoes.....₩ doz $3.00, 30%
Ladies' hoes.....₩ doz $3.00, 30%
Scuffle.....30%
EYE—
D. & H. Scovil.....30%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ₩ doz $1.25
Hill's Tongs.....₩ doz $3.00
Hill's Rings...₩ doz bxs $2.15@$1.00
Perfect Rings..₩ doz bxs $1.60@$1.70
Perfect Ringers...₩ doz $2.15@$2.25
Blair's Hog Ringer ₩ doz $2.25@$2.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers.....₩ doz $2.00
Champion Rings, Double, ₩ doz $2.25
Brown's Ringers.....₩ doz $2.00
Brown's Rings.....₩ doz $1.25@$1.30

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware.....33⅓&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother.....40&5%
Hartford Silver-Plate Co., William Rogers Mfg. Co.....40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading, Clothes Line, Sargent's list.....60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....⅌ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c.
See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&%

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".....60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....60&10%
Handy Coat and Hat.....60&10%
Steady Celling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ⅌ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $3; 3, $3.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	25c	25c	23c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	23c	23c	25c	24c	23c.	40&10&5&2½&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n	25c	23c	23c	21c	20c.	25@25&5%
A. C.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c.	21c	40&10&5%
Champlain.	23c	23c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c.	35%
Western	23c	21c	20c	19c	16c.	50%
Empire Bronzed	13@14c ⅌ lb					

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....80&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20.....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick.....⅌ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
See Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen..	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen..	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen..	$55.84	$79.20	$108.90	$136.62	
Each...	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen..	$14.40	$18.00	$20.64	
Each...	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen..	$23.40	$27.00	$32.40	
Each...	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....⅌ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....⅌ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives.⅌ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ⅌ doz. $4.50; 14 in. ⅌ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel...$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs.....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....⅌ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....⅌ doz $4.00, 40%
P. S. & W.....25&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....35%
Gibbs' Arc.....net ⅌ doz. $12.00
Gibbs' Hustler.....net ⅌ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ⅌ doz. $6.00 40&5@40&10%
Wood No. 2.....⅌ doz. $2.00, 50%
Wood, Common....⅌ doz. $1.70@1.75
Dunlap's Improved ⅌ doz. $3.75..20%
Jennings' Star.....⅌ doz. $3.25
The Boss.....⅌ doz. $3.50
Dean's, Nos. 1, ⅌ doz. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....⅌ doz $15.00, 40%
Berger Bros. ⅌ doz. 8-in. $1.00; 10-in. $1.40.....⅌ doz $15.00
Acme.....

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 24 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....25c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ⅌ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ⅌ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....55⅔%
Reading Hdw. Co. List Feb. 2, '95. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....20%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 01.....30%
Romer's Scandinavian, &c, Nos. 100 to 565..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&5%
Nos. 120 line.....90&2%
Nos. 119 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....80%
No. 427.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....⅌ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ⅌ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ⅌ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	5	6
Each	$5	$7	$10	$25	$50	$80

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	23	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ⅌ doz...45@45&25%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..⅌ doz $26.00, 55&10&5%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ⅌ doz $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list,50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,.40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....⅌ doz $9.00
Giant, No. 1.....⅌ doz $18.00, 10%
Giant, No. 2.....⅌ doz $15.00, 10%
Pelican.....⅌ doz $9.00, 25%
Lightning.....⅌ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....⅌ gr. $4.00@$4.25
Round.....⅌ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point⅌ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ⅌ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ⅌ lb net; in packages less than 100 lb. add ½c ⅌ lb. net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ⅌ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....⅌ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ⅌ gross.....$7.50
Indian Pond Red End, No. 1, ⅌ gross.....7.00
Indian Pond Red End, No 2, ⅌ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lilly White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ⅌ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ⅌ lb:
Lilly White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ⅌ lb.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ⅌ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ⅌ lb.....34
" 2x2x¼, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ⅌ lb.....2.80
No. 1. 5¼ to 8x1¾ to 2x¾ to 1, ⅌ lb.....3.50
No. 1, 8 to 12x1¾ to 3½x¾ to 1¼, ⅌ lb.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅛ to ⅝ ⅌ lb.....4.0

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No. 2, assorted sizes, ₩ ℔..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ ℔..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ ℔ .08
Washita Finish, about 8x2x¾ to 1¼, ₩ ℔..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ ℔..... .20
Plain Slips, about 6x1¼ to 2x⅝ to ⅝, ₩ ℔..... .12
Plain Slips, about 6x1¼ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ ℔..... .08
Small Axe, about 3x2x¾ to 1 ₩ ℔..... .10
Special Axe, 2¾x1¼x¼ ₩ ℔... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 ℔, ₩ ℔..... .05
Medium, 8 to 8¼x2x1¼, weight about 1¼ ℔, ₩ ℔..... .05
Large, 8¼ to 9x2¾x2, weight about 2 ℔. ₩ ℔..... .05
Small table, 9 to 9¼x3¾x2, weight about 4 ℔, ₩ ℔..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ ℔ .80
No. 2, " ₩ ℔..... .40
Round Edge Slips, No 1, ₩ ℔. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per ℔ 70c..... 40%
Boston "Phœnix" Red Sheet, per ℔..... 50c.net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N. Y. B. & P. Co., 1846-Para... 40&10%
N. Y. B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....₩ ℔ 80c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ ℔
Russian Packing..... 14c ₩ ℔
Italian Packing..... 13c@14c ₩ ℔
Cotton Packing..... 15c@17c ₩ ℔
Jute..... 7c@8c ₩ ℔

Padlocks—
See Locks.

Parers—
APPLE—
Advance..... ₩ doz $4.75
Baldwin..... ₩ doz 5.25
Bonanza..... ₩ doz 5.00
Daisy..... ₩ doz 4.00
Dandy..... ₩ doz 7.50
Eureka, 1888..... each 16.00
Family Bay State..... ₩ doz 12.00
Favorite..... ₩ doz 5.00
Ideal..... ₩ doz 4.00
Improved Bay State. ₩ ds.. $27@30.00
Little Star..... ₩ doz 4.50
Monarch..... ₩ doz 13.50
New Lightning..... ₩ doz 5.50
Penn..... ₩ doz 4.00
Perfection..... ₩ doz 4.00
Pomona..... ₩ doz 4.00
Rocking Table..... ₩ doz 6.00
Turntable..... ₩ doz 4.50
Waverly..... ₩ doz 4.00
White Mountain..... ₩ doz 4.00
72..... ₩ doz 4.25
78..... ₩ doz 7.00
Oriole, ₩ doz $5.00..... 20&10%
Victor, ₩ doz $15.00..... 20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain..... ₩ doz $4.50
Antrim Combination.... ₩ doz 5.50
Hoosier..... ₩ doz 13.50
Saratoga..... ₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt..... ₩ gro $5.25
Dixon's Lead..... ₩ gro 4.50
Dixon's Mascot, Round.. ₩ gro. $3.10
Dixon's Mascot, Hexagon. ₩ gro. 3.38
Dixon's Lumber..... ₩ gro 6.37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead..... ₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding..... 50%
Bench, First Quality..... 55%
Bench, Second Quality..... 60%
Bailey's (Stanley R. & L. Co.).... 40%
C. E. Jennings & Co..... 50&10%
U. S. Ship..... 45%
U. S. Grooving..... 40%
Fales Bench..... 30%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's..... 40%
Victor..... 20%
Miscellaneous..... 25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's..... 40&10%
Standard Tool Co..... 50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros..... 30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & I. J. White..... 25%
Stanley Rule & Level Co..... 50%
C. E. Jennings & Co..... 25&10%
Hinsdale..... 20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers..... 30%
Hall's Side Cutting Pliers..... 30%
Hall's Nippers..... 30%
Button's Patent..... 50%
Humason & Beckley Mfg. Co. 50@50 &10%
Gas Pliers..... 60%
Eureka Pliers and Nippers..... 40%
P. S. & W. Cast Steel..... 50%
P. S. & W. Tinners' Cutting Nippers..... add 6% dis. 10%
Carew's Pat. Wire Cutters..... 20%
Swiss Pliers..... 25%
Stubs'..... 20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00..... 50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls..... 33⅓%
Stratton's Nos. 1, 10, 11, 12..... 25%
Stratton's Nos. 2 to 8..... 50%
Cook's..... 40&10%
Stanley's..... 75%
Regular List..... 75%
Disston's..... 50%
Pocket Levels..... 70%
Davis' Iron Levels..... 20&10%
Davis' Inclinometers..... 10&10%
Wood's Extension Sight..... 30%
Plumb Bobs..... 40%
Wm. Johnson's..... 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's..... 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz..... 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz..... 10%
J. P. Lovell's Police Goods..... 25%

Polish, Metal—
Prestoline..... 20&10%
Prestoline Paste..... 33⅓%

Polish, Stove—
Joseph Dixon's..... ₩ gro $6.00, 10%
Gem..... ₩ gro $4.50, 10%
Lustro..... ₩ gro $4.75
Rising Sun, 5 gro lots..... ₩ gro $5.50
Dixon's Plumbago..₩100 ℔ $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $12.50@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw..... ₩ doz $18.00, 25%
Disston's Pruning Hook..... ₩ doz $12.50, 25&5%
Seymour Smith & Son's..... ₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools. 40%
Pruning Shears, Henry's Pat. ₩ doz..... $3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination..... ₩ doz $12.00, 20%
Dunlap's Saw and Chisel..... ₩ doz $8.50, 20%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz. 25%
Levin Pruner, No. 2, $12.00 ₩ doz. 25%

Pulleys—
Axle..... 60%
Dumb Waiter..... 60%
Ceiling..... 60&10%
Hot House..... 66⅔%
Upright..... 60&10&10%
Screw..... 60&10&10%
Clothes Line..... 55@60&10%
Awning..... 60&10&10%
Empire Sash Pulley..... 60%
Common Sense..... 60%
Moore's Sash, Anti-Friction..... 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50..... 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75..... 50%
Shade Rack..... 45%
Tackle Blocks' List, May 20, 1889. 50&10@50%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00..... 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers..... 60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro·
No. 1, Fig 328, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15.00
No. 6, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump..... $17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump..... $15.00
No. 32, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in Shallow Well Pump..... $14.00
No 9, Fig. 332, 3½ i. Shallow Well Pump..... $17.00
No. 70 Fig. 333 2½ in Deep Well Pump..... $15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15.00
No. 73, Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 118, Fig. 448, 3½ in. Lift Pump..... $12.00
No 128, Fig. 510, 3 in. Lift Pump..... $7.00
No 131 Fig. 510, 3½ in. Lift Pump..... $8.00
No. 225, Fig. 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $13.50
No. 235, Fig. 403, Windmill Pump..... $14.50
No. 240, Fig. 406, Regulator Pump..... $30.00
No. 280 Fig. 444, Imperial Cyclone Pump..... $18.00
No. 285, Fig. 512, Cyclone Tank Force Pump..... $ 7.00
No. 267, Fig. 483, Geyser Tank Force Pump..... $17.00
No. 268, Fig 513, Low Down Tank Force Pump..... $16.00
No. 312, Fig. 477, Spray Pump complete..... $11.50
No. 320 Fig. 492, Bucket Spray Pump..... $5.50
No. 33, Fig 547, Knapsack Spray Pump..... $11.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz., 90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat..... 15%
Bemis & Call Co.'s Springfield Socket..... 65
Bemis & Call Co.'s Spring and Check..... 50%
Solid Tinners', P. S. & W. Co. ₩ doz..... $1.44, 55%
Tinners' Hollow Punches, P. S. & W. Co..... 20&5%
Rice Hand Punches..... 15%
Avery's Revolving..... 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots..... 33⅓%
Lesser quantities..... 25%
Niagara Hollow..... 20%
Niagara Solid..... 55%

Rail—
Sliding Door, Wr't Brass, ₩ ℔ 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet..... $2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft..... 7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet.. $2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot..... 4½c
Victor Track Rail, 7c ₩ foot... 50&5%
Carrier Steel Rail, ₩ foot..... 4½c
Moore's Wrought Steel..... 25&10%

Rakes—
Cast Steel, Association goods..... 70%
Cast Steel, outside goods..... 70&5%
Malleable..... 70@70&5%
Oneida Lawn..... $6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.75
Gibbs' Favorite.....net ₩ doz. $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1.net ₩ doz. $4.90
Gibbs' Crown, No. 2.net ₩ doz. $5.30
Gibbs' Hustler, No. 0.net ₩ doz. $4.25
Gibbs' Hustler, No. 1.net ₩ doz. $4.40
Ft. Madison Prize Bow Brace and Peerless..... 65%
Fort Madison Steel Tooth Lawn Rake, $6.00..... 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes..... ₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $3.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth, $2.40; No. 2 $3.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust..... $1.50
Gibbs' Garden:
Hoes, No. 14.....net ₩ doz. $2.95
Hoes, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co..... 20%
Wostenholm and Butcher, $10.00 to £..... net
Jordan's AAA1, list Nov. 1, 1889. 50%
Jordan's Old Faithful, list Nov. 1, 1889..... 50%
Electric..... List net
Campbell's Celebrated Warranted..... 50%

Refrigerator Hardware—
Francis Keil & Son..... 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887..... 60&10%
Copper..... 50@10%
Coopers..... 60&10%
Block..... 60&10%
Carriage..... 60&10%
Hame..... 60&10%
Belt "Bettina" with Burrs....50&5%
Burrs..... 60&10%
American Screw Co.:
Bay State Rivets ⅜c. ₩ ℔ less than Norway Rivets.
Belt with Burrs..... 60&10%

Rivet Sets—
Regular list..... 55&60%

Rods—
Stair, Brass..... 30%
Stair, Black Walnut..... ₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door..... 55%
Moore's Adjustable Stay..... 55%
Union Barn Door Roller..... 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ ℔ 7¾c
Manilla, ⅜..... ₩ ℔ 8¼c
Manilla, ¼ and 5-16..... ₩ ℔ 8¾c
Sisal, 7-16 and larger..... ₩ ℔ 5½c
Sisal, ⅜..... ₩ ℔ 6¼c
Sisal, ¼ and 5-16..... ₩ ℔ 6¾c
Sisal Lath Yarn, medium ₩ ℔ 5¼c
Cotton Rope..... ₩ ℔ 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ ℔ 7 c
Manilla..... ⅜in ₩ ℔ 7½c
Manila, ¼ and 5-16 in ₩ ℔ 8 c
Manila Hay Rope... ₩ ℔ 8 c
Sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal..... ⅜ in ₩ ℔ 6 c
Sisal...¼ and 5-16 in ₩ ℔ 5½c
Sisal, Hay Rope..... ₩ ℔ 5½c
Sisal, Med. L'the Y'rn ₩ ℔ 5 c
1½% for cash in 10 days.
Cotton Rope..... ₩ ℔ 11@13c net
Jute Rope..... ₩ ℔ 5@6c net

Rules—
Boxwood..... 80%
Ivory..... 50%
Miscellaneous, Stanley's..... 60%
Starrett's Rules and Straight Edges, Steel..... 25&10%

Sad Irons—
From 4 to 10 at factory.... ₩ 100 ℔ $3.50@$3.75
Self-heating..... ₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet..... 30%
Enterprise Star Irons..... 30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England..... 5c, 15%
Mahony's Troy Pol. Irons..... 15%
Sensible..... 20%
National Self-heating..... 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set..... $ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net..... $8.40
Crown Sad Irons, No. 235, per dozen, net..... $9.00
Chinese Laundry, net ₩ ℔.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper..... 50&5%
Emery Cloth..... 30&5%
Garnet Paper..... 30&5%

Sash Chain—
Giant..... 40%
Monarch..... 50%
Red Metal..... 40&10&10%
Steel..... 40&10&10%
Morton's:
Champion Metal..... 25%
Steel Cable..... 20%

Sash Cord—
Common..... ₩ ℔ 10@11 c
Jute, good quality..... ₩ ℔ 11c
White Cotton Braided, fair. ₩ ℔ 25c
Common Russia Sash..... ₩ ℔ 16c
Patent Russia Sash..... ₩ ℔ 15c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Cable Laid Sash..... ₩ ℔ 14c
Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab..... 30&10%

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C Quality, White (only) 26½c @ 28c
Sylvan Spring:
Extra Braided White.....35c
Extra Braided Drab.....37½c
No. 4 Braided White, $2.00...10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50...10&10%
Semper Idem, Braided White....37c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....55c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....₩ ton $23.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C. Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd...45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..₩ gro. $9.50@$10.00
Red, Polished and Varnished...₩ doz., $3.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leech's No. 0, $5.00; No. 1, $6.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....30%
Disston's Star, $9.00, No. 15, $5.50.25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold.....₩ doz., $15.00. 50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped.$2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's.....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%

Scale Beams—
Scale Beams, List Jan. 12, '92..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....₩ doz., $4.00, 10%
Box, 2 Handle.....₩ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@60%
Ship Common.....₩ doz., $3.50 net
Ship, R. I. Tool. Co.....10%

Screens—
Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—
Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30&35%
Standard Oil.....35&40%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5&5%
Disston's Pat. Excelsior.....5&5%
Buck Bros.'.....30%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 70@90c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12. 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..30%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws.....87½%

MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech.₩ doz $3.00@3.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5&10%
Jack Screws, Millers Falls, without Roller Bearing.....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes, Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Seeders—
Enterprise Raisin.....25%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....60&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt.60%
American (Cast) Iron.....75&10&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75% Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888.50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....80%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bees, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ ℔ 7½c
Perkins Improved Snow.....₩ ℔ 4c

MULE—
Add $1 ₩ keg to above prices.

OX, WROUGHT—
Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....30%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..30%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....30@30&7½%
Hussey, Binns & Co.....15@35%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....30&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Hunters.....₩ doz. $2.00

Slaw Cutters—
Enterprise.....25%

Slicers—
Enterprise Vegetable.....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&15&10
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....30%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated..... } 60%
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....30&25&10%
Extra Heavy.....30%
Hooks and Staples.....30&25&10%
Extra Heavy.....30%
Hasps and Staples.....30&25&10%
Extra Heavy.....30%
Staples on Plates.....30&25&10%
Wagon Bow Staples....30&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....30&10%
Norway Iron Clinch.....60&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....30@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓%&2% cash.

Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....33⅓%
American Cut Tacks.....62½%
Swedes Iron Tacks:
S. S.....62½%
Lanc.....57½%
Upholsterers' Tacks:
S. S.....66⅔%
Lanc.....62½%
Gimp Tacks:
S. S.....66⅔%
Lanc.....62½%
Lace Tacks:
S. S.....6 ½%
Lanc.....57½%
Trimmers' Tacks:
S. S.....5%
Lanc.....50%
Looking Glass Tacks.....33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....62½%
Berry Box Tacks.....62½%

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Trunk Tacks:
S. S ..... 66⅔&5%
Lanc ..... 62½&5%
Miners' Tacks, S. S ..... 66⅔&5%
Bill Posters' and Railroad Tacks:
S. S ..... 66⅔&5%
Lanc ..... 62½&5%
Brush Tacks and Nails:
S. S 55%
Lanc 50%
Hungarian Nails ..... 57½&5%
Common and Patent Brads 50%
Finishing Nails ..... 57½&5%
Trunk and Clout Nails ..... 57½&5%
Basket Nails 50%
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 3½&2% cash.
F. H. Cobblers' Nails:
4-4-8in., and shorter, ₩ 100 ℔ $20.60
⅝ in. and longer, ₩ 100 ℔ ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No 18 & 19. 17 & heavier.
2 8&2½-8 in. $60 00 $41.20
3-8&3½-8 in. 51.50 35.15
4-8& longer, 41.20 33.45

MISCELLANEOUS—
Double Point ... 85&10@85&10&10%
Wire Carpet Nails. 60&10@60&10&10%
Bill Nye Brad Box $4.00
Bonnie Blue ..... ₩ box $1.50
Claw Handle Carpet ... ₩ gr $1.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 10&2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5&2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks. 66⅔&33⅓&2%
Miniature Keg Tacks. 66⅔&33⅓&2%
Upholsterers' Nails ..... 5&10%

Tack Pullers—
Columbia, No. 1, per doz., net $1
" " 2, " " ... 1.50

Taps—
American Screw Co.
Machine Screw 60%
Hand and Machine ..... 50&10%
Pipe 80%
Blacksmiths' Taper ..... 50&10%

Thermometers—
Dairy, Floating all glass ₩ doz. $1.50
Dairy, Zinc Flanged ..... 60&10%
Fancy 70%
Japanned Case ..... 30&10%
Combination with Barometer ₩ gro $30.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) .20&2%
Snips, J. Mallinson & Co ..... 33⅓&5%
Snips—"Clauss" 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897. .70&10@70&10&10%

Trammel Points—
Cook's 25%
Rule ..... 20&10%
Stanley's ..... 30&10%
Tower & Lyon ..... 33⅓&5%
Jennings "Eureka" 25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track $3.25
Comb., Car., Wood Track $3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Ste l or Wood Track $6.00
Double Rail Steel Track complete with clamps, ₩ ft ..... .09
Single Rail Steel Track with clamps, ₩ ft ..... .09
D. H. Fork, Steel Regular, e'ch .75
Nellis Fork, each $1 50
Walker Fork, each $1.15
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz $2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz $1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz $2.00
Floor Hooks, ¾ in ₩ doz ..... .65
Hanging Hooks for Double Steel Track, ₩ doz ..... .60
Hanging Hooks for Single Steel Track, ₩ doz ..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz ..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz ..... .55
Wrought Rafter Brackets, ₩ doz ..... .45
Malleable Rafter Brackets, ₩ doz ..... .45
Rope Hitch. ₩ doz $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida:
Newhouse ..... 40&10%
Hawley & Norton ..... 70&5%
Victor ..... 70&10&5%
All Steel 75%
Star ..... 50&10%
Blake's Patent ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole ..... 80@10%
S.T ..... ₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 20%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ ds $2.50, 15%
Mouse, Bonanza ..... ₩ gr $10.00
Mouse, Ideal ..... ₩ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer ..... ₩ gr $9.50
Rat, Keystone ..... ₩ gr $10.00
Rat, Exterminator ..... ₩ gr $12.00
Rat, Decoy ..... ₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse 50%
Improved Rat 40%
New Rat 40%
Schuyler:
Mouse, ₩ gross $18.00 ..... 50%
Rat, ₩ gross $30.00 ..... 50%
Household ..... ₩ gr $10.00
Erie Rat 50%
FLY—
Balloon ..... ₩ gr. $13.50
Electric Rod ..... ₩ gr. $16.50
Globe ..... ₩ gr. $13.50
Harper ..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering. .25%
Peace's Plastering 25%
W. & McP. Plastering. 25%
Richardson 25%
Rose's Brick ..... 15@20%
Brade's Brick 30%
Sargent's Garden, No. 1 ..... 70%
Sargent's Garden, No. 15 ..... 50%
Wm Johnson's:
Brick and Plastering 40%
Brick No. 100 Extra 30%
Pointing 40%
Corner 40%

Vises—
solid Box ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' ..... 20@10%
Holland's ..... 40@45%
Parker's ..... 20@25%
Wilson's 55%
Alligator 50%
Howard's 40%
Massey's Quick Action ..... 20@25%
Bonney's ..... 40&10%
Millers Falls ..... 40@40&10%
Trenton ..... 40&5@40&10%
Merrill's ..... 15@20%
Sargent's 50%
Backus and Union 40%
Preatiss' ..... 20@25%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench ..... 25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00 .... 40&10%
Stearn's 40%
Stearn's Silent Saw Vises .... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone ... ₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co 40%
Clayton's ..... 25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list ..... 90&10%

Market:
Brt. & Ann., Nos. 0 to 18 ..... 72½%
Cop'd, Nos. 0 to 18 ..... 70%
Galv., Nos. 0 to 18 ..... 62½%
Tin'd, Tinned list Nos. 0 to 18. 62½%
Tinned Broom Wire ..... 5¼c net
Galvanized Fence 65%
Malin's Annealed and Tinned on Spools ..... 60&5%
Malin's Brass and Copper on Spools ..... 50&5%
Annealed Fence, Nos. 8 and 9 .... 75%
Annealed Grape, Nos. 10 to 14 .... 75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass 55%
Brass, list Jan. 18, 1884 ..... 20%
Copper, list Jan. 18, 1884 ..... 35%
Barb Fence ..... See Trade Report
Cast Steel Wire 50%
Stub's Steel Wire ..... $6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted ..... 80&10%
Picture Wire ..... New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft., $1.45
Galvanized Wire Netting ..... 80&10%
Brass Cloth ..... 40@55%
Steel Bolting Wire Cloth ..... 30@55

Wire Rope—
List, May 1, 1886.
Iron ..... 33⅓&2½%
Iron, Galvanized ..... 40&2½%
Cast-steel ..... 40&2½%

Wire Rope Clips—
Crosby 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy 50%
Alligator ..... 40&10%
Hercules 70%
American Adjustable 40%
Armstrong's 40%
Baxter's Adjustable "S" 60%
Baxter's Diagonal 60%
Coes' Genuine 50%
Coes' "Mechanics'" ..... 50&10&3%
Girard Standard 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought ..... 80&5%
Eagle Pipe 50%
Taylor Pipe and Nut 40%
Stillson Pipe 45%
Trimo Pipe ..... 50&10%
Wakefield Pipe and Nut 40%
Bemis & Call's:
Patent Combination Black. 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern ..... 30&10%
Cylinder Gas Pipe ..... 45&5%
No. 8 Pipe 55%
Aiken's Pocket (Bright) $6.00 ..... 60%
Boardman's 30%
Always Ready ..... 33⅓@5%
Champion Carriage 40%
Donohue's Engineer 35%
Trimo Combination 40%
Cincinnati Tool Co:
Bit ..... 25&10%
Standard Brace ..... 25&10%
J. H. Williams 25%
Lowell Ratchet ..... 33⅓&5%
Lowell Socket Bridge 20%
Lowell Lag Screw 25%
Vankee 45%
Expert Bicycle ..... 33⅓&10%

Wringers, Clothes—
IRON—
Per Dozen
No. 20, Erie, 10 inch $24.00
No. 30, Erie, 11 inch 27.00
No. 55, King, 11 inch 33.23
No. 45, King, 10x1¾ inch 25.00
No. 65, King, 11x2 inch 32.00
No. 2, "77" 10 inch 15.50
No. 2, Zenith, 10 inch 16.50
No. 3, Zenith, 11 inch 19.00
No. 4, Zenith, 12 inch 21.50
WOOD—
No. 40, Prime, 10 inch 20.00
No. 50, Prime, 11 inch 23 00
No. 66, Columbia, 11x1¾ inch.. 27.00
No. 99, Pittsburg, 11x2 inch.... 31.00
No. 33, Nonpareil, 11x1¾ inch.. 28.00
No. 44, Nonpareil, 11x2 inch.... 32.00
Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches.... 21.00
No. 11 Rolls, 11x1¾ inches.... 25.00
No. 12 Rolls, 12x1¾ inches.... 29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 56c
Linseed City, Boiled, " ₩ gal. 59c
Out of Town on Spot ..... ₩ gal. 56c
Calcutta, Raw, in bbls .... ₩ gal. 56c
Lard ..... 6½@6 85

Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$23 00
Barytes, Off Color, ₩ ton, $10.00@$18.00
White Lead, American, Dry, ₩ ℔ 5 @5½c
White Lead, American, in Oil, ₩ ℔ .... 5 @5½c
White Lead, English, in Oil, ₩ ℔ 5½@7 c
Litharge, American Powdered, ₩ ℔ .... 4¼@4¾c
Litharge, English Flake, ₩ ℔ 8¾@9 c
Litharge, Glassmakers', ₩ ℔ 5½@6 c
Zinc, American, Extra Dry, ₩ ℔ 3¼@4¼c

Putty—
Putty in Bulk ..... $1.45@$1.75
Putty in Bladders ..... $1.85@$2.00
Putty in Tins ..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal 33c

Colors in Oil—
Black Coach Japan ₩ ℔ .. 18½@20 c
Black Coach Japan in Oil ..... ₩ ℔ 12 @13 c
Black Drop ..... ₩ ℔ 7½@10 c
Black Lampblack, prime, ₩ ℔ 27½@33 c
Black Lampblack, medium ..... ₩ ℔ 15 @20 c
Black Lampblack, 2d quality ..... ₩ ℔ 13 @19
Black, Lampblack, low grade ..... ₩ ℔ 6½@10 c
Blue, Chinese ..... ₩ ℔ 35 @40 c
Blue, Prussian ..... ₩ ℔ 20 @40 c
Blue, Ultramarine .. ₩ ℔ 13 @16 c
Brown, Sienna, bur't ₩ ℔ 7 @10 c
Brown, Sienna, raw. ₩ ℔ 7 @10 c
Brown, Umber, bur't ₩ ℔ 7 @10 c
Brown, Umber, raw. ₩ ℔ 7 @10 c
Brown, Vandyke .... ₩ ℔ 7 @11 c
Green, Chrome ..... ₩ ℔ 8 @14 c
Green, Paris ..... ₩ ℔ 16 @18½c
Red, Indian ..... ₩ ℔ 12 @15 c
Red, Venetian ..... ₩ ℔ 4½@ 8 c
Yellow, Chrome ..... ₩ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ₩ ℔ 4½ c

TROY DAMPER.
MADE OF
18 GAUGE STEEL.
All Defects in other Dampers removed in this one.
TIME TESTED.
ONE HOLE IN PIPE.
Send for Sample and Prices.



16 Patents.
TROY NICKEL WORKS,
TROY, N.Y.

ORIGINATORS
ALASKA
STOVE HARDWARE



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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware.....33⅓&10%
Rustless Hollow-Ware.....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother.....40&5%
Hartford Silver-Plate Co., William Rogers Mfg. Co.....40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading...., Clothes Line, Sargent's list.....60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60&10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....⅌ dos $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c.
See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....33⅓&5
Enterprise.....33⅓&5

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".....60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ⅌ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	23c	23c	23c	24c	23c	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c	30&10%
Essex	23c	25c	25c	24c	23c	40&10&5&2½&5%
Lyra	19c	17c	16c	15c	14c	40&10%
Snowden	19c	17c	16c	15c	14c	40&10%
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n	25c	23c	23c	21c	20c	25@25&5%
A. C.	25c	23c	23c	21c	21c	25&10@33⅓&5%
C. B. K.	23c	23c	23c	21c	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c	21c	40&10&5%
Champlain.	23c	25c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c	40&5%
Champion.	25c	23c	23c	21c	20c	10&10&10%
Capewell	19c	18c	17c	16c	16c	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	16c	50%
Empire Bronzed						13@14c ⅌ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20.....$12.00 per doz 20%
Crown.....$4.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick.....⅌ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
See Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$5.40	$9.00	$10.80	$13.60
Each	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen.	$14.40	$18.00	$20.64	$23.40	
Each	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen.	$27.00	$32.40	$41.58	$49.50	
Each	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	23x15½	24x17	26x18½	
Dozen.	$55.34	$79.20	$108.90	$136.62	
Each	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen.	$5.40	$9.00	$10.80	$12.60
Each	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen.	$14.40	$18.00	$20.64	
Each	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen.	$23.40	$27.00	$32.40	
Each	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co.'s Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....⅌ dos $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....35%
Wilson's Butcher Knives.....35%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....⅌ dos.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Minding Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives.⅌ dos. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ⅌ doz. $4.50; 14 in. ⅌ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel...$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....⅌ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....⅌ dos $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....30&5%
Imperial.....30&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ⅌ doz. $12.00
Gibbs' Hustler.....net ⅌ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ⅌ doz. $6.00 40&5@40&10%
Wood No. 2.....⅌ doz. $2.00, 50%
Wood, Common....⅌ doz. $1.70@1.75
Dunlap's Improved ⅌ doz. $2.75..30%
Jennings' Star.....⅌ doz. $2.25
The Boss.....⅌ doz. $2.50
Dean's, Nos. 1, ⅌ doz. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....⅌ dos $15.00, 40%
Berger Bros. ⅌ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....⅌ dos $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....25c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ⅌ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ⅌ doz. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....60%
Reading Hdw. Co. List Feb. 2, '93. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '94, revised Jan. '95.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 565..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 110 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....80%
No. 427.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓&5
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....⅌ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ⅌ doz.....40%

Nos.	100	150
	$15.00	$15.00

Hales Pattern ⅌ dos.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$3.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ⅌ dos...45@45&5%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..⅌ dos $36.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8	
	$50	$75	$80	$285	20@25%

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ⅌ dos $55.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list,50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,.40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per dos.....net, $9
Curtiss Hammer.....⅌ dos $9.00
Giant, No. 1.....⅌ dos $18.00, 10%
Giant, No. 2.....⅌ dos $15.00, 10%
Pelican.....⅌ dos $9.00, 25%
Lightning.....⅌ dos $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....⅌ gr. $4.00@$4.25
Round.....⅌ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point⅌ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ⅌ dos., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.20c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ⅌ lb net; in packages less than 100 lb. add ½c ⅌ lb, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ⅌ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....⅌ dos. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ⅌ gross.....$7.50
Indian Pond Red End, No. 1, ⅌ gross.....7.00
Indian Pond Red End, No 2, ⅌ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....13.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ⅌ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ⅌ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ⅌ lb..... .70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ⅌ doz.....$12.00
6x2, " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x½ to 1½, ⅌ lb..... .34
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ⅌ lb..... 2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ⅌ lb..... 3.50
No. 1, 8 to 12x1¾ to 2½x¾ to 4.00 1¼, ⅌ lb.....
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅛ to ⅝ ⅌ lb..... 4.0

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No. 2, assorted sizes, ₱ lb..... 2.00
Discount 33⅓&5%.
Pike's Soft Arkansas:
Assortment A, ₱ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&5%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₱ lb .08
Washita Finish, about 8x2x¾ to 1¼, ₱ lb..... .10
Round Edge Slips, about 6x1⅛ to 2x¼ to ⅝ back x ⅛ to ¼ edge, ₱ lb..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₱ lb..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₱ gross..... 3.00
Penknife Pieces, about 3⅛x1¼ x¼ to ⅛, ₱ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₱ lb..... .08
Small Axe, about 3x2x¾ to 1 ₱ lb..... .10
Special Axe, 2¾x1¼x¾ ₱ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₱ lb..... .05
Medium, 8 to 8¼x2x1¼, weight about 1¼ lb, ₱ lb..... .05
Large, 8¼ to 9x3¼x2, weight about 2 lb. ₱ lb..... .05
Small table, 9 to 9¼x3¼x2, weight about 4 lb, ₱ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₱ lb .80
No. 2, " ₱ lb..... .40
Round Edge Slips, No 1, ₱ lb. 2.00
Discounts 33⅓&5%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per lb 70c..... 40%
Boston "Phoenix" Red Sheet, per lb..... 50c.net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N. Y. B. & P. Co., 1846-Para... 40&10%
N. Y. B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....₱ lb 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₱ lb
Russian Packing..... 14c ₱ lb
Italian Packing..... 13c@14c ₱ lb
Cotton Packing..... 15c@17c ₱ lb
Jute..... 7c@8c ₱ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance..... ₱ doz $4.75
Baldwin..... ₱ doz 5.25
Bonanza..... ₱ doz 5.00
Daisy..... ₱ doz 4.00
Dandy..... ₱ doz 7.50
Eureka, 1888..... each 16.00
Family Bay State..... ₱ doz 12.00
Favorite..... ₱ doz 5.00
Ideal..... ₱ pos 4.00
Improved Bay State. ₱ ds.. $27@30.00
Little Star..... ₱ doz 4.50
Monarch..... ₱ doz 13.50
New Lightning..... ₱ doz 5.50
Penn..... ₱ doz 4.00
Perfection..... ₱ doz 4.00
Pomona..... ₱ doz 4.00
Rocking Table..... ₱ doz 6.00
Turntable..... ₱ doz 4.50
Waverly..... ₱ doz 4.00
White Mountain..... ₱ doz 4.00
72..... ₱ doz 4.25
78..... ₱ doz 7.00
Oriole, ₱ doz $5.00..... 20&10%
Victor, ₱ doz $15.00..... 20%
Gold Medal ₱ doz $3.50 net.
Scott's Pat. Rotary, ₱ doz $15.00, 20%
POTATO—
White Mountain..... ₱ doz $4.50
Antrim Combination.... ₱ doz 5.50
Hoosier..... ₱ doz 13.50
Saratoga..... ₱ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt..... ₱ gro $5.25
Dixon's Lead..... ₱ gro 4.50
Dixon's Mascot, Round.. ₱ gro. $3.10
Dixon's Mascot, Hexagon. ₱ gro. 3.38
Dixon's Lumber..... ₱ gro 6.37
Dixon's Carpenters' ₱ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead..... ₱ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding..... 50%
Bench, First Quality..... 55%
Bench, Second Quality..... 60%
Bailey's (Stanley R. & L. Co.).... 40%
C. E. Jennings & Co..... 50&10%
U. S. Ship..... 45%
U. S. Grooving..... 40%
Fales Bench..... 20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's..... 40%
Victor..... 20%
Miscellaneous..... 25%
Steer's Iron Planes..... 40@40&10%
Meriden Mal. Iron Co.'s.. 40@40&10%
Davis's Iron Planes..... 40@40&10%
Gage Tool Co.'s Self-Setting.. 20&10%
Chaplin's Iron Planes..... 40@40&10%
Sargent's..... 40&10%
Standard Tool Co..... 50@50&5%
Siegley's Comb'ation ₱ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros..... 30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & I. J. White..... 25%
Stanley Rule & Level Co..... 50%
C. E. Jennings & Co..... 25&10%
Hinsdale..... 20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers..... 33⅓&5
Hall's X American Pliers..... 20%
Hall's Side Cutting Pliers..... 30%
Hall's Nippers..... 30%
Button's Patent..... 50%
Humason & Beckley Mfg. Co. 50@50 &10%
Gas Pliers..... 60%
Eureka Pliers and Nippers..... 40%
P. S. & W. Cast Steel..... 50%
P. S. & W. Tinners' Cutting Nippers..... add 6% dis. 10%
Carew's Pat. Wire Cutters..... 20%
Swiss Pliers..... 25%
Stube'..... 20%
Morrill's Parallel, ₱ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00..... 50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5⅛ in. ₱ doz. $2.00; 6¼ in. ₱ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔&5

Plumbs and Levels—
Millers Falls..... 33⅓&5
Stratton's Nos. 1, 10, 11, 12..... 25%
Stratton's Nos. 2 to 8..... 50%
Cook's..... 40&10%
Stanley's..... 75%
Regular List..... 75%
Disston's..... 50%
Pocket Levels..... 70%
Davis' Iron Levels..... 20&10%
Davis' Inclinometers..... 10&10%
Wood's Extension Sight..... 30%
Plumb Bobs..... 40%
Wm. Johnson's..... 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's..... 25%
R. I. Tool Co., Handcuffs, $15.00 ₱ doz..... 10%
R. I. Tool Co., Leg Irons, $25.00 ₱ doz..... 10%
J. P. Lovell's Police Goods..... 25%

Polish, Metal—
Prestoline..... 20&10%
Prestoline Paste..... 33⅓&5

Polish, Stove—
Joseph Dixon's..... ₱ gro $6.00, 10%
Gem..... ₱ gro $4.50, 10%
Lustro..... ₱ gro $4.75
Rising Sun, 5 gro lots..... ₱ gro $5.50
Dixon's Plumbago.. ₱ 100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₱ gr $10.00@$10.50
Round or Sq., 1½ qt. ₱ gr $15@$15.50
Round or Sq., 2 qt. ₱ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw..... ₱ doz $18.00, 25%
Disston's Pruning Hook..... ₱ doz $12.00, 25&5%
Seymour Smith & Son's..... ₱ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools. 40%
Pruning Shears, Henry's Pat. ₱ doz..... $3.75@4.00 net
Henry's Pruning Shears ₱ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination..... ₱ doz $12.00, 20%
Dunlap's Saw and Chisel..... ₱ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₱ doz. 25%
Levin Pruner, No. 2, $12.00 ₱ doz. 25%

Pulleys—
Axle..... 60%
Dumb Waiter..... 30%
Ceiling..... 60&10%
Hot House..... 66⅔&5
Upright..... 60&10&10%
Screw..... 60&10&10%
Clothes Line..... 55@60&10%
Awning..... 60&10&10%
Empire Sash Pulley..... 60%
Common Sense..... 60%
Moore's Sash, Anti-Friction..... 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50..... 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75..... 50%.
Shade Rack..... 45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₱ doz $12.00..... 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers..... 60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.
No. 1, Fig 324, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15.00
No. 6, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump..... $17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump..... $15.00
No. 32, Fig. 323, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in Shallow Well Pump..... $14.00
No 9, Fig. 332, 3½ in. Shallow Well Pump..... $17.00
No. 70 Fig. 333 2½ in Deep Well Pump..... $15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15.00
No. 73. Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 118. Fig. 448, 3½ in. Lift Pump..... $12.00
No 128, Fig. 510, 3 in. Lift Pump..... $7.00
No 131 Fig. 510, 3½ in. Lift Pump..... $8.00
No. 225, Fig. 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $13.50
No. 235, Fig. 403, Windmill Pump..... $14.50
No. 240, Fig. 406, Regulator Pump..... $30.00
No. 280 Fig. 474, Imperial Cyclone Pump..... $18.00
No. 265, Fig. 512, Cyclone Tank Force Pump..... $ 7.00
No. 267, Fig. 483, Geyser Tank Force Pump..... $17.00
No. 268, Fig 513, Low Down Tank Force Pump..... $16.00
No. 312, Fig. 477, Spray Pump complete..... $11.50
No. 320 Fig. 492, Bucket Spray Pump..... $5.50
No. 33, Fig 547, Knapsack Spray Pump..... $10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₱ doz.. 90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₱ doz $3.50@3.60
Spring, Leach's Pat..... 15%
Bemis & Call Co.'s Springfield Socket..... 65
Bemis & Call Co.'s Spring and Check..... 50%
Solid Tinners', P. S. & W. Co. ₱ doz..... $1.44, 55%
Tinners' Hollow Punches, P. S. & W. Co..... 20&2½
Rice Hand Punches..... 15%
Avery's Revolving..... 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots..... 33⅓&5
Lesser quantities..... 25%
Niagara Hollow..... 20%
Niagara Solid..... 55%

Rail—
Sliding Door, Wr't Brass, ₱ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₱ ft. 7c
Sliding Door, Iron, Painted, ₱ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾ Per 100 feet..... $2.00 2.50 3.10, 10%
Lundy Parlor Door, ₱ ft..... 7c
B. D. for N. E. Hangers: Small. Med. Large
Per 100 feet.. $2.15 2.70 3.35...net
Terry's Steel Rail, ₱ foot..... 4½c
Victor Track Rail, 7c ₱ foot... 50&2½
Carrier Steel Rail, ₱ foot..... 4½c
Moore's Wrought Steel..... 25&10%

Rakes—
Cast Steel, Association goods..... 70%
Cast Steel, outside goods..... 70&5%
Malleable..... 70@70&5%
Oneida Lawn..... $6.00 doz., net
Gibbs' Lawn Rake..net ₱ doz. $4.80
Gibbs' Canton Lawn Rake net ₱ doz. $3.75
Gibbs' Favorite.....net ₱ doz. $3.90
Gibbs' Acme.....net ₱ doz. $4.75
Gibbs' Crown, No. 1.net ₱ doz. $4.90
Gibbs' Crown, No. 2.net ₱ doz. $5.30
Gibbs' Hustler, No. 0.net ₱ doz. $4.25
Gibbs' Hustler, No. 1.net ₱ doz. $4.40
Ft. Madison Prize Bow Brace and Peerless..... 65%
Fort Madison Steel Tooth Lawn Rake, $6.00..... 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes..... ₱ doz $3.50
Ladies' rakes, ₱ doz. No. 1, $2.00; No. 2, $2.50. } 25%
Duval's Wood, ₱ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth..... $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust..... $1.50
Gibbs' Garden:
Boss, No. 14.....net ₱ doz. $2.95
Boss, No. 18.....net ₱ doz. $3.10

Razors—
J. R. Torrey Razor Co..... 30%
Wostenholm and Butcher, $10.00 to £..... net
Jordan's AAA1, list Nov. 1, 1889.. 50%
Jordan's Old Faithful, list Nov. 1, 1889..... 50%
Electric..... List net
Campbell's Celebrated Warranted..... 50%

Refrigerator Hardware—
Francis Keil & Son..... 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887..... 60&10%
Copper..... 50@10%
Coopers..... 60&10%
Block..... 60&10%
Carriage..... 60&10%
Hame..... 60&10%
Belt "Bettina" with Burrs.... 50&5%
Burrs..... 60&10%
American Screw Co.:
Bay State Rivets ¾c. ₱ lb less than Norway Rivets.
Belt with Burrs..... 60&10%

Rivet Sets—
Regular list..... 55&60%

Rods—
Stair, Brass..... 30%
Stair, Black Walnut..... ₱ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door..... 55%
Moore's Adjustable Stay..... 55%
Union Barn Door Roller..... 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₱ lb 7¾c
Manilla, ⅜..... ₱ lb 8¼c
Manilla, ¼ and 5-16..... ₱ lb 8¾c
Sisal, 7-16 and larger..... ₱ lb 5¾c
Sisal, ⅜..... ₱ lb 6¼c
Sisal, ¼ and 5-16..... ₱ lb 6¾c
Sisal Lath Yarn, medium ₱ lb 5¼c
Cotton Rope..... ₱ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₱ lb 7 c
Manila..... ⅜in ₱ lb 7¼c
Manila, ¼ and 5-16 in ₱ lb 8 c
Manila Hay Rope... ₱ lb 8 c
Sisal, 7-16 in. & larger ₱ lb 5 c
Sisal..... ⅜ in ₱ lb 6 c
Sisal...¼ and 5-16 in ₱ lb 5½c
Sisal, Hay Rope..... ₱ lb 5½c
Sisal, Med. L'the Y'rn ₱ lb 5 c
Cotton Rope..... ₱ lb 11@13c net
Jute Rope..... ₱ lb 5@6c net
1½% for cash in 10 days.

Rules—
Boxwood..... 30%
Ivory..... 50%
Miscellaneous, Stanley's..... 60%
Starrett's Rules and Straight Edges, Steel..... 25&10%

Sad Irons—
From 4 to 10 at factory.... ₱ 100 lb $3.50@$3.75
Self-heating..... ₱ doz $8.00 net.
Self-heating, Tailors' ₱ doz $18.00 net
Gleason's Shield and Toilet..... 30%
Enterprise Star Irons..... 30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England..... 6c, 15%
Mahony's Troy Pol. Irons..... 15%
Sensible..... 20%
National Self-heating..... 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₱ set..... $ .75 net.
No. 55, ₱ set..... .70 net.
No. 60, ₱ set..... .80 net.
No. 65, ₱ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net..... $8.40
Crown Sad Irons, No. 235, per dozen, net..... $9.00
Chinese Laundry, net ₱ lb..... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper..... 50&5%
Emery Cloth..... 50&5%
Garnet Paper..... 50&5%

Sash Chain—
Giant..... 40%
Monarch..... 50%
Red Metal..... 40&10&10%
Steel..... 40&10&10%
Morton's:
Champion Metal..... 25%
Steel Cable..... 25%

Sash Cord—
Common..... ₱ lb 10@11 c
Jute, good quality..... ₱ lb 11c
White Cotton Braided, fair. ₱ lb 25c
Common Russia Sash..... ₱ lb 16c
Patent Russia Sash..... ₱ lb 15c
Cable Laid Italian Sash ₱ 22½c@25c
India Cable Laid Sash..... ₱ lb 14c

Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab..... 30&10%

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C Quality, White (only) 26½c@ 28c
Sylvan Spring
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton....27c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....56c
Sash Fasteners, Holders, &c.—
Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....₩ doz. $1.20. 40%
Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances....25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co....50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security....70%
Sash Weights—
Solid Eyes....₩ ton $22.50
Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40&10%
Saws—
Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....30%
Gang, Drag & Mill....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....40%
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%
HACK SAWS—
Griffin's complete....45%
Griffin's Hack Saw and Blades....45%
Chatillon....30%
Butchers....25%
Star Butcher....25%
Saw Frames—
Star Hack....25%
White Vermont..₩ gro. $9.50@$10.00
Red, Polished and Varnished...₩ doz., $3.00 40%
C. E. Jennings & Co....20%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%
Saw Sets—
Stillman's Lever, Nos. 40, 45....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $16.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $32.00; No. 5. $31.00....40&20%
Perfect Saw Jointer....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Automatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold....₩ doz., $15.00. 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%
Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%
Scale Beams—
Scale Beams, List Jan. 12, '93..50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%
Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....₩ doz., $4.00, 10%
Box, 2 Handle....₩ doz., $6.00, 10%
Defiance Box & Ship....20&5%
Foot....50&10@60%
Ship Common....₩ doz., $3.50 net
Ship, R. I. Tool. Co....10%
Screens—
Phillips:
Bonanza Screens....60%
Perfection Screens....60%
Extension....50&10&5%
Flyer....50&10%
Window Screen Frames....60&5%
Screen Doors—
Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30@35%
Standard Oil....35&40%
Screw Drivers—
C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....50&5%
Disston's Pat. Excelsior....50&5%
Buck Bros....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....₩ doz., 70@90c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12. 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ₩ doz....90c } 50%
Beauty, ₩ doz....$1.00 }
Wm. Johnson's:
135 A....70&10%
135½ Extra....70%
138 Ebonized Handle....70%
141½....75%
142 Ebonized Handle....70%
Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron....85%
Round Head Iron....75%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....85%
Round Head Brass....75%
Flat Head Bronze....80%
Round Head Bronze....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws....87½%
MACHINE—
Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%
BENCH, HAND, ETC.—
Bench, Iron....70%
Bench, Wood, Beech. ₩ doz $2.00@2.25
Hand, Wood....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....80&5%
Bed....20&25%
Hand Rail, Sargent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....5&10%
Jack Screws, Millers Falls, without Roller Bearing....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%
Scroll Saws—
C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw Blades....35%
Scythes—
Grain....40&5@40&10%
Grass....40&10%
Seeders—
Enterprise Raisin....25%
Sets—
See Awl and Tool Sets.
Shears—
Ætna, Steel Japanned....30&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60%
Japanned....70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75%
Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net
Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Hatfield Sheaves....30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s....60&10&
Sargent's list....60&10%
Reading list....60&10&10%
Shells—
See Ammunition.
Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bess, at factory....$4.00
Bryden's Frog Pressure, at factory $4.00
Perkins Steel Side Weight Hind ₩ lb 7½c
Perkins Improved Snow....₩ lb 4c
MULE—
Add $1 ₩ keg to above prices.
OX, WROUGHT—
Ton lots....₩ lb 9c
1000 lb lots....₩ lb 9½c
500 lb lots....₩ lb 10c
Shot—
See Ammunition.
Shovels and Spades—
Ames' Shovels, Spades, &c....30%
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....30@30&7½%
Hussey, Binns & Co....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan., 1886....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%
Shovels and Tongs—
Iron Head....65@65&5%
Brass Head....65@65&5%
Sifters, Flour—
Hunters....₩ doz. $3.00
Slaw Cutters—
Enterprise....25%
Slicers—
Enterprise Vegetable....25%
Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps
Spoke Shaves—
Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....20%
Millers Falls....25%
Wm. Johnson's:
Wood, Best....30%
Wood, 2nd Quality....33⅓%
Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks. 50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co...40 &15&10&10
L. Boardman & Son....50&12½%
MISCELLANEOUS—
German Silver....50@50&5%
German Silver, Hall & Elton...50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash
Springs—
See Door Springs.
Squares—
Steel and Iron, Nickel-Plated } 80%
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....20@25%
Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....80&25&10%
Extra Heavy....80%
Hooks and Staples....80&25&10%
Extra Heavy....80%
Hasps and Staples....80&25&10%
Extra Heavy....80%
Staples on Plates....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%
Stocks and Dies—
Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....20@25%
Reece's New Screw Plates....25%
Reversible Ratchet....30%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%
Stones—
See Oilstones.
Stops—
See Bench Stops.
Stove Polish—
See Polish, Stoves.
Sweepers—
See Carpet Sweepers.
Tackle Blocks—
See Blocks.
Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American....66⅔%
Steel....66⅔%
Swedes, S. S....66⅔%
Swedes, Lanc....62½%
Leathered....33⅓%
American Cut Tacks....62½%
Swedes Iron Tacks:
S. S....62½%
Lanc....57½
Upholsterers' Tacks:
S. S....66⅔%
Lanc....62½%
Gimp Tacks:
S. S....66⅔%
Lanc....62½%
Lace Tacks:
S. S....6 ½%
Lanc....57½%
Trimmers' Tacks:
S. S....5%
Lanc....50%
Looking Glass Tacks....33⅓%
Picture Frame Points....33⅓%
Basket Tacks....62½%
Berry Box Tacks....62½%

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Trunk Tacks:
S. S 66⅔%
Lanc. 62½%
Miners' Tacks, S. S. 66⅔%
Bill Posters' and Railroad Tacks:
S. S 66⅔%
Lanc. 62½%
Brush Tacks and Nails:
S. S 55%
Lanc. 50%
Hungarian Nails. 57½%
Common and Patent Brads. 50%
Finishing Nails. 57½%
Trunk and Clout Nails 57½%
Basket Nails 50%
Chair Nails. 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓%&2% cash.
F. H. Cobblers Nails:
4-4-8in., and shorter, ₩ 100 lb $20.60
⅝ in. and longer, ₩ 100 lb ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No 18 & 19.	17 & heavier.
2 8&2¼-8 in.	$60 00	$41.20
3-8&3¼-8 in.	51.50	35.15
4-8& longer,	41.20	33.45

MISCELLANEOUS—
Double Point. ... 85&10@85&10&10%
Wire Carpet Nails. 60&10@60&10&10%
Bill Nye Brad Box $4.00
Bonnie Blue. ..... ₩ box $1.50
Claw Handle Carpet. ... ₩ gr $1.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 10&2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5 &2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks. 66⅔&33⅓&2%
Miniature Keg Tacks. 66⅔&33⅓&2%
Upholsterers' Nails ..... 5 &10%

Tack Pullers—
Columbia, No. 1, per doz., net. ... $1
" " 2, " " ... 1.50

Taps—
American Screw Co.
Machine Screw 60%
Hand and Machine. ..... 50&10%
Pipe 80%
Blacksmiths' Taper. ..... 50&10%

Thermometers—
Dairy, Floating all glass ₩ doz. $1.50
Dairy, Zinc Flanged ..... 80&10%
Fancy 70%
Japanned Case. ..... 80&10%
Combination with Barometer ₩ gro. $20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) .20&2%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss" 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 21, 1897. .70&10@70&10&10%

Trammel Points—
Cook's 25%
Rule. ..... 20&10%
Stanley's. ..... 30&10%
Tower & Lyon. 33⅓%
Jennings "Eureka" 25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track. $3.25
Comb., Car., Wood Track. ... $3.25
New Myers Iron Rod Car. ... $2.75
New Departure Sling Complete. Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track. $6.00
Double Rail Steel Track complete with clamps, ₩ ft. ..... .09
Single Rail Steel Track with clamps, ₩ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each. $1 50
Walker Fork, each. $1.15
Sprouts Shear Fork, each. ... $1.40
Double Grapple Fork, each. ... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz. ... $2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 478, ₩ doz. ... $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz. ... $1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz. ... $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz. $2.00
Floor Hooks, ¾ in ₩ doz. ... .65
Hanging Hooks for Double Steel Track, ₩ doz. ..... .60
Hanging Hooks for Single Steel Track, ₩ doz. ..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz. ..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz. ..... .55
Wrought Rafter Brackets, ₩ doz. ..... .45
Malleable Rafter Brackets, ₩ doz. ..... .45
Rope Hitch. ₩ doz. $1.75

Transom Lifters—
Copper Finished. 50%
Bronze Metal. 40%
Nickel Plated. 50%
Crescent. 55%
Lever. 55%
Ajax. 50%
Dicksons. 60%

Traps—
GAME—
Enterprise Mole. 15%
Oneida:
Newhouse. ..... 40&10%
Hawley & Norton. ..... 70&5%
Victor. ..... 70&10&5%
All Steel. 75%
Star. ..... 50&10%
Blake's Patent. ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 80@10%
S.T. ..... ₩ doz $6.00, 20%
Mouse, Round Wire. ₩ doz $1.50, 20%
Mouse, Cage, Wire. ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ ds $2.50, 15%
Mouse, Bonanza. ..... ₩ gr $10.00
Mouse, Ideal. ..... ₩ gr $9.00
Mouse, Delusion. 33⅓%
Rat Slayer. ..... ₩ gr $9.50
Rat, Keystone. ..... ₩ gr $10.00
Rat, Exterminator. ..... ₩ gr $12.00
Rat, Decoy. ..... ₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse. 50%
Improved Rat. 40%
New Rat. 40%
Schuyler:
Mouse, ₩ gross $18.00. ..... 50%
Rat, ₩ gross $30.00. ..... 50%
Household. ..... ₩ gr $10.00
Erie Rat. 50%
FLY—
Balloon. ..... ₩ gr. $13.50
Electric Rod. ..... ₩ gr. $16.50
Globe. ..... ₩ gr. $13.50
Harper. ..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering. ... 15%
Disston's Brick and Plastering. .25%
Peace's Plastering. 25%
W. & McP. Plastering. 25%
Richardson. 25%
Rose's Brick. ..... 15@20%
Brade's Brick. 30%
Sargent's Garden, No. 1. ..... 70%
Sargent's Garden, No. 18. ..... 50%
Wm Johnson's:
Brick and Plastering. 40%
Brick No. 100 Extra. 30%
Pointing. 40%
Corner. 40%

Vises—
Solid Box. ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw. ... 15%
Armstrong's:
Plain and Hinge. 60%
Combination. 50%
Lowell Hand. 33⅓%
Stephens'. ..... 20@10%
Holland's. ..... 40@45%
Parker's. ..... 20@25%
Wilson'. 55%
Alligator. 50%
Howard's. 40%
Massey's Quick Ation. ..... 20@25%
Bonney's. ..... 40&10%
Millers Falls. ..... 40@40&10%
Trenton. ..... 40&50@40&10%
Merrill's. ..... 15@20%
Sargent's. 50%
Backus anti Union. 40%
Prentiss'. ..... 20@25%
Simpson's Adjustable. 40%
Moore's. 20%
Little Giant Bench. ..... 25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00. ... 40&10%
Stearn's. 40%
Stearn's Silent Saw Vises. ... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ dos. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone... ₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co. 40%
Clayton's. ..... 25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%

Market:
Brt. & Ann., Nos. 0 to 18. ... 72½%
Cop'd, Nos. 0 to 18. ..... 70%
Galv., Nos. 0 to 18. ..... 62½%
Tin'd, Tinned list Nos. 0 to 18. 62½%
Tinned Broom Wire. .... 5½c net
Galvanized Fence. 65%
Malin's Annealed and Tinned on Spools. ..... 60&5%
Malin's Brass and Copper on Spools. ..... 50&5%
Annealed Fence, Nos. 8 and 9. ... 75%
Annealed Grape, Nos. 10 to 14. ... 75%
Tate's Spooled Wire:
Annealed and Tinned. 65%
Copper and Brass. 55%
Brass, list Jan. 18, 1884. ..... 30%
Copper, list Jan. 18, 1884. ..... 35%
Barb Fence. ..... See Trade Report
Cast Steel Wire. 50%
Stub's Steel Wire. ..... $6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted. ..... 80&10%
Picture Wire. ..... New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft. $1.45
Galvanized Wire Netting. ... 80&10%
Brass Cloth. ..... 40@55%
Steel Bolting Wire Cloth. ..... 80@55

Wire Rope—
List, May 1, 1886.
Iron. ..... 33⅓&2½%
Iron, Galvanized. ..... 40&2½%
Cast-steel. ..... 40&2½%

Wire Rope Clips—
Crosby. 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy. 50%
Alligator. ..... 40&10%
Hercules 70%
American Adjustable. 40%
Armstrong's 40%
Baxter's Adjustable "S". 60%
Baxter's Diagonal. 60%
Coes' Genuine. 50%
Coes' "Mechanics'". ..... 50&10&3%
Girard Standard. 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought. ..... 80&5%
Eagle Pipe. 50%
Taylor Pipe and Nut. 40%
Sellison Pipe. 45%
Trimo Pipe. ..... 50&10%
Wakefield Pipe and Nut. 40%
Bemis & Call's:
Patent Combination Black. 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern. ..... 80&10%
Cylinder Gas Pipe. ..... 45&5%
No. 8 Pipe. 55%
Aiken's Pocket (Bright) $6.00. ... 60%
Boardman's 30%
Always Ready. ..... 33⅓@5%
Champion Carriage. 40%
Donohue's Engineer. 35%
Trimo Combination. 40%
Cincinnati Tool Co:
Bit. ..... 25&10%
Standard Brace. ..... 25&10%
J. H. Williams 25%
Lowell Ratchet. 33⅓%
Lowell Socket Bridge. 20%
Lowell Lag Screw. 25%
Yankee. 45%
Expert Bicycle. ..... 33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch.	$24.00
No. 30, Erie, 11 inch.	27.00
No. 55, King, 11 inch.	33.28
No. 45, King, 10x1¾ inch.	25.00
No. 65, King, 11x2 inch.	32.00
No. 3, "77" 10 inch.	15.50
No. 2, Zenith, 10 inch.	16.50
No. 3. Zenith, 11 inch.	19.00
No. 4, Zenith, 12 inch.	21.50

WOOD—

No. 40, Prime, 10 inch.	20.00
No. 50, Prime, 11 inch.	23.00
No. 66, Columbia, 11x1¾ inch..	27.00
No. 99, Pittsburg, 11x2 inch....	31.00
No. 33, Nonpareil, 11x1¾ inch..	28.00
No. 44, Nonpareil, 11x2 inch....	32.00
Peerless Mfg. Co., List Feb. '92 2% cash	
Colby Wringer Co.:	
No. 10 Rolls, 10x1¾ inches....	21.00
No. 11 Rolls, 11x1¾ inches....	25.00
No. 12 Rolls, 12x1¾ inches....	29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 56c
Linseed City, Boiled, " ₩ gal. 59c
Out of Town on Spot. ..... ₩ gal. 56c
Calcutta, Raw, in bbls. ... ₩ gal. 56c
Lard. ..... 6½@6 85

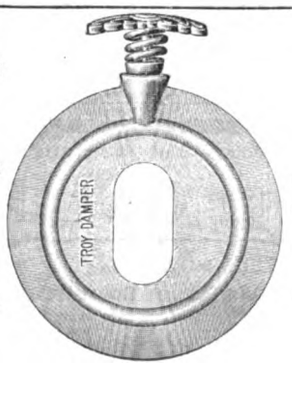
Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$28 00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ lb 5 @5½c
White Lead, American, in Oil, ₩ lb. ..... 5 @5½c
White Lead, English, in Oil, ₩ lb 5½@7 c
Litharge, American Powdered, ₩ lb. ..... 4¼@4¾c
Litharge, English Flake, ₩ lb 8½@9 c
Litharge, Glassmakers', ₩ lb 5½@6 c
Zinc, American, Extra Dry, ₩ lb 3¼@4¼c

Putty—
Putty in Bulk. ..... $1.45@$1.75
Putty in Bladders. ..... $1.65@$2.00
Putty in Tins. ..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal. 33c

Colors in Oil—
Black Coach Japan ₩ lb. 18½@20 c
Black Coach Japan in Oil. ..... ₩ lb 12 @13 c
Black Drop ..... ₩ lb 7½@10 c
Black Lampblack, prime, ₩ lb 27½@33 c
Black Lampblack, medium. ..... ₩ lb 15 @20 c
Black Lampblack, 2d quality. ..... ₩ lb 13 @19
Black, Lampblack, low grade ..... ₩ lb 6½@10 c
Blue, Chinese. ..... ₩ lb 35 @40 c
Blue, Prussian ..... ₩ lb 25 @40 c
Blue, Ultramarine. ₩ lb 12 @16 c
Brown, Sienna, bur't ₩ lb 7 @10 c
Brown, Sienna, raw. ₩ lb 7 @10 c
Brown, Umber, bur't ₩ lb 7 @10 c
Brown, Umber, raw. ₩ lb 7 @10 c
Brown, Vandyke. ... ₩ lb 7 @11 c
Green, Chrome. ..... ₩ lb 8 @14 c
Green, Paris. ..... ₩ lb 16 @18½c
Red, Indian. ..... ₩ lb 12 @15 c
Red, Venetian. ..... ₩ lb 4½@ 8 c
Yellow, Chrome. ..... ₩ lb 13 @18 c
Yellow, Ocher, Fre'ch ₩ lb 4½ c

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18 GAUGE STEEL.
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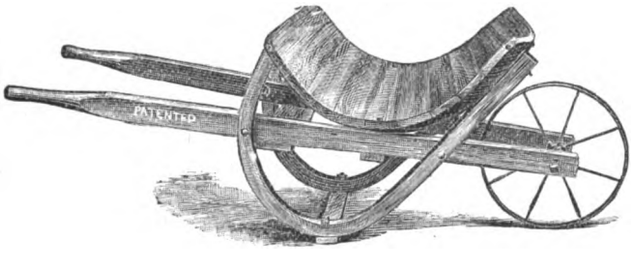
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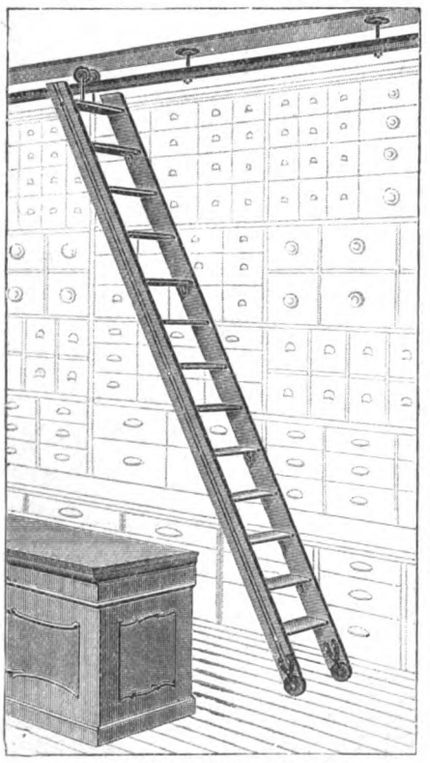
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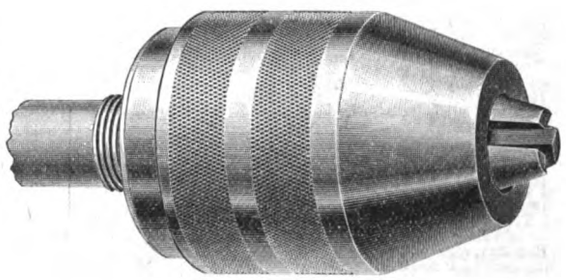
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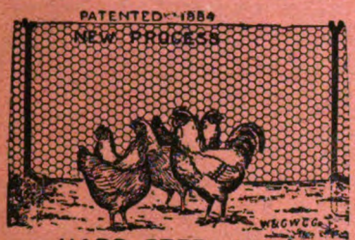
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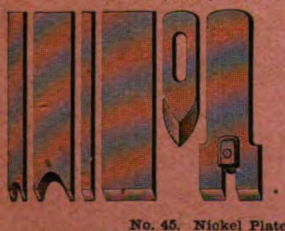
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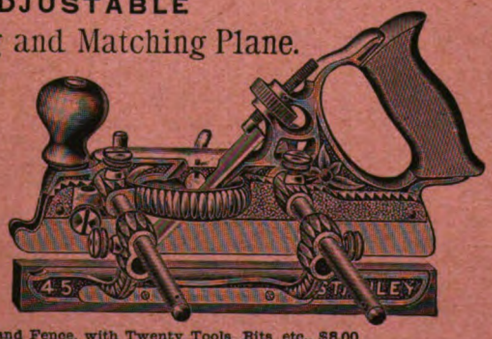
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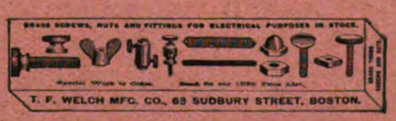
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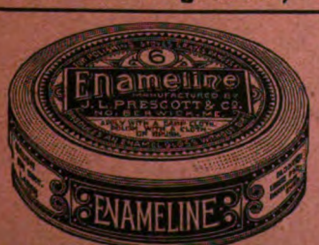
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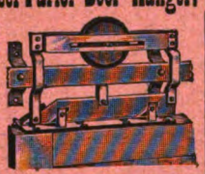


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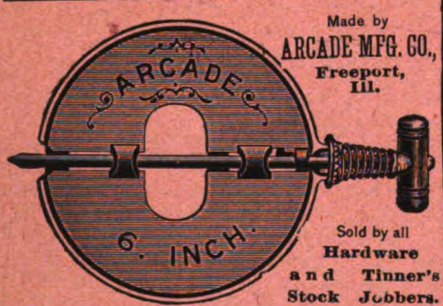


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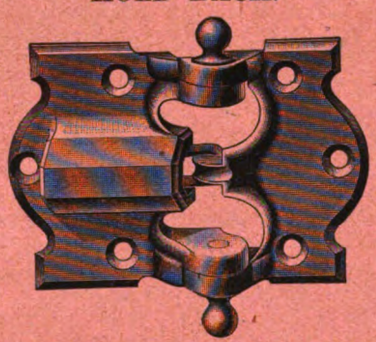
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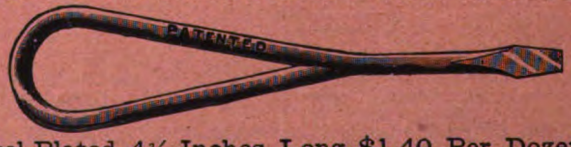
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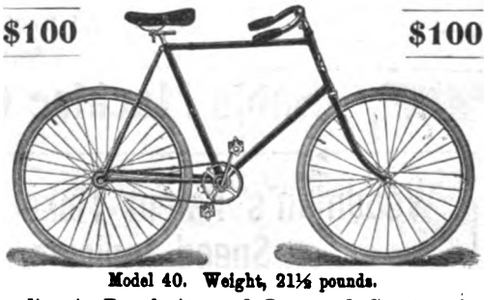
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POPE MANUFACTURING CO.,
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THRESHER BELTING

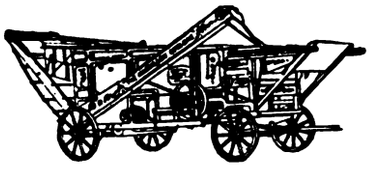
If "High Grade"



This is the Belt.

Read the Guarantee

Will make an old machine run better



and a new one unnecessary. -:- -:-

To the Hardware and Implement Trade.
Write to
CLEVELAND RUBBER WORKS,
Of the Mechanical Rubber Co.,
CLEVELAND, OHIO.

REPAUNO CHEMICAL CO.,
MANUFACTURERS
ATLAS AND JUDSON POWDERS
AND
REPAUNO GELATINE.
A FUMELESS EXPLOSIVE FOR TUNNEL WORK.
Our High Explosives are Standard and Guaranteed to run Uniform.
GENERAL OFFICES: WILMINGTON, DEL.

BRANCH OFFICES: BOSTON: 18 Broad St. ATLANTA: Equitable Buildg. ST. LOUIS: Wainright Building. JOPLIN: 4th & Joplin Sts. DENVER: 1632 17th St. NEW YORK: 26 Cortland St. CHICAGO: 1321 Monadnock Block. CLEVELAND: Cuyahoga Building.



"RIVAL" Steel Measuring Tapes.

Something New! A low priced Steel Tape. First-class and fully guaranteed. Nickel-Plated Case. Flush Handle. ⅜ in. Tape. Marked one side only. Made 25, 50, 75, 100 feet lengths.

SEND FOR PRICES.

LUFKIN RULE CO., Saginaw, Mich.
NEW YORK OFFICE, 2½ MURRAY ST.



HENDRY'S ANTI-RATTLER THILL COUPLING SPRING.

Best Metal Spring: Adapted to any Coupling: Holds the Shaft: Prevents All Rattling: Lasts: Easily Adjusted.

Sabin Machine Co., Montpelier, Vt.



Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—
R. WOODMAN MFG. & SUPPLY CO.,
63 Oliver St., Boston, Mass.
—Send for description, price lists, etc.—



TRIENNIAL MECHANICS' FAIR.

Boston, Oct. and Nov., 1895.

Applications for space by Inventors, Mechanics and Mannfacturers are now being received. Floor plans ready, and groups provisionally located. This Exposition will be attended by half a million people.
Address applications
Secretary, M. C. M. A.,
Office, Huntington Avenue, Boston.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

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IT TAKES A PULL

to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

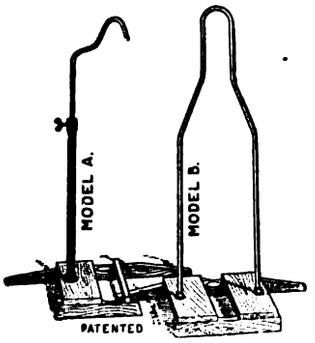
Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, **15 Park Row, New York.**

WM. H. BELCHER,
62 READE STREET, NEW YORK.
Manufacturer and 'mporter,
Rules, Surveyors' Leveling Rods, Chesterman's Metallic and Steel Tape Measures, Surveyors' Land Chains, &c.

—THE—
Pittsburg Stand
IS THE BEST.
SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM,
CLUB HOUSE OR HOME
—Price, $1.00 Each.—
FOR SALE BY LEADING BICYCLE DEALERS
—Manufactured by—
Wm. M. Justice & Co.
PITTSBURG, PA.
Liberal Discount to the Trade.

"THE BALL DOES IT ALL!"



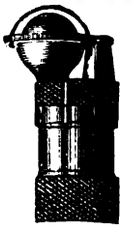
No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .
A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.


No. 5. ¾ inch Ball Nozzle.
For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .


No. 4. ¾ inch. Combination Ball Nozzle.

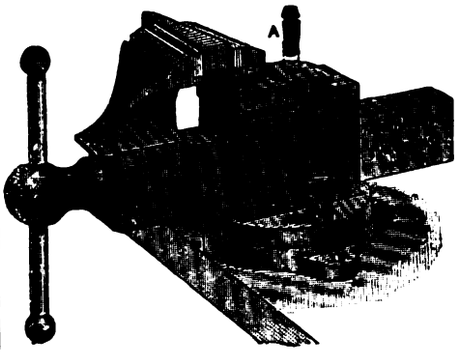
NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

Send for Catalogue.

BALL NOZZLE MANUFACTURED SOLELY BY

AMERICAN BALL NOZZLE COMPANY,
837-847 BROADWAY, NEW YORK.
Branch Houses—325 SUTTER ST., SAN FRANCISCO, CAL.


No. 3. ¾ inch Combination Ball Nozzle.



PRENTISS' PAT. VISES
The Leaders for 20 Years.
Send for Illustrated Catalogue of ALL KINDS OF VISES.
Prentiss Vise Company,
MANUFACTURERS,
44 Barclay St., New York.

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Manhattan Commercial Agency

OF NEW YORK.

J. H. GILES, Gen. Manager.

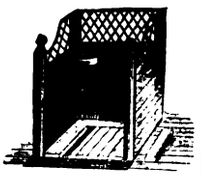
THIS Agency furnishes the means to business men that will enable them to know whom NOT TO TRUST.

Reliable correspondents in all cities and towns in the United States.

Hardware Collections a Specialty.

Tribune Building, New York.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

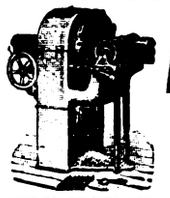
BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass

On account of Free Fly Coinage,

Phillips Screens

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

The A. J. Phillips Co., Fenton, Mich.

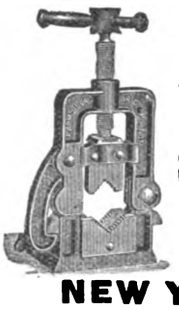


ARMSTRONG MANUFACTURING CO.



BRIDGEPORT, CONN.

PIPE THREADING and CUTTING OFF MACHINES.



STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

Our Catalogue will interest you.

NEW YORK OFFICE: 139 CENTRE ST.

A GREAT CLINCHER!

COPPER CORRUGATED SHOE NAILS

THE BEST SHOE NAIL MADE.

PRICES ARE THE SAME AS FOR BRASS.

MANUFACTURED ONLY BY

Clendenin Brothers, - Baltimore, Md.



POSITIVE SECURITY

Against sneak thievery by the use of

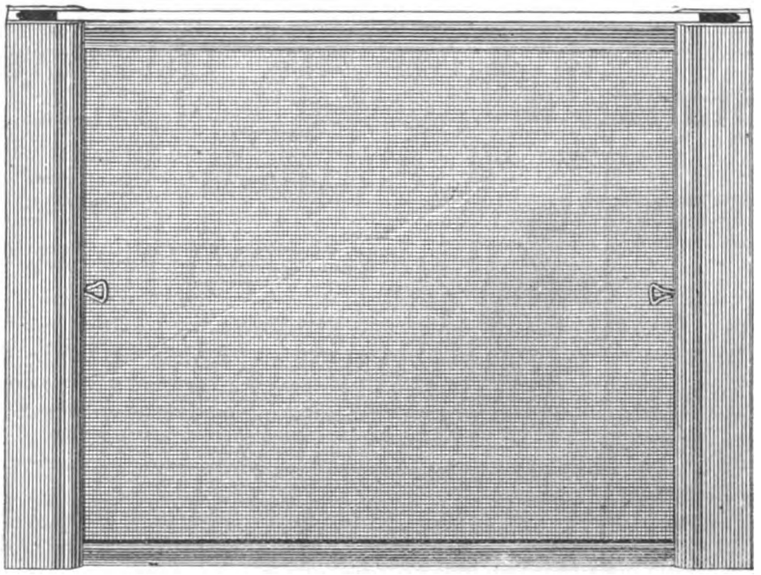
Shepardson's Key-Hole and Baggage Guard.

Sample by mail 75 cents. Illustrated circular and price list sent on application.

KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

The Best Adjustable Screen is appropriately called

THE "HANDY."



MADE IN EIGHT SIZES.

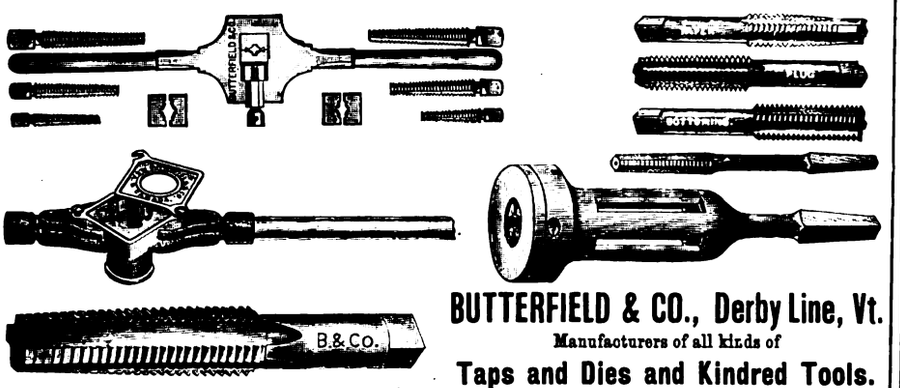
A FEW OF ITS SUPERIOR POINTS ARE:

1st. EASE IN HANDLING.—The hook-shaped pull-bars fastened securely in the centre of the sliding ends afford a ready hold for convenience placing and removing the screen at the operator's will.
2d. When placed under the sash, it will readily adjust itself to windows in square or out of square.
3d. The Screen is made of hard wood, natural color, finished in oil, and is the neatest, lightest and strongest screen made.
4th Has Box Panels, making both sides alike.

Manufactured by Pennsylvania Screen Co.

Sole Agents, John H. Graham & Co.,
113 Chambers Street, New York.

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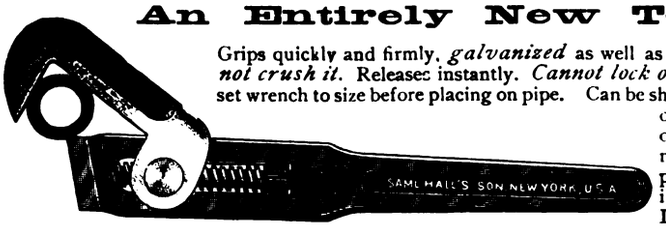


BUTTERFIELD & CO., Derby Line, Vt.
Manufacturers of all kinds of
Taps and Dies and Kindred Tools.

THEO. M. HASS,
MANUFACTURER OF
Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.
Goods to Order a Specialty. Dies and Tools.
176 CENTRE STREET, (Opposite Earle's Hotel) NEW YORK.



HALL'S IMPROVED PIPE WRENCH.
An Entirely New Tool.



Grips quickly and firmly, *galvanized* as well as other pipe, *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

GET OUR LITTLE BOOK. FREE.

SAMUEL HALL'S SON, 229 WEST TENTH STREET, NEW YORK.

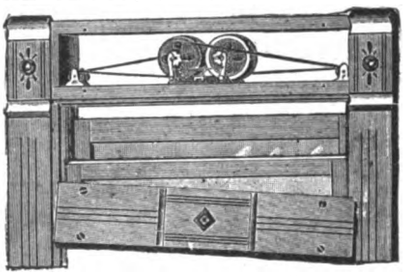
WIRE & IRON WORK.



FENCING,
OFFICE RAILINGS,
WINDOW GUARDS,
STABLE FIXTURES, ETC.
GRAVE GUARD.
RESERVOIR VASES.
IT WILL PAY YOU TO HANDLE THEM.
LAWN FURNITURE,
FOUNTAINS.
STATUARY.
ROOF CRESTING.
LLUSTRATED CATALOGUE FREE.

E. T. BARNUM,
DETROIT, MICH. RESERVOIR VASE

THE SECURITY SASH BALANCE.



The most simple, durable and efficient balance made. Weight of sash not essential when ordering balances. Specified by Architects, and recommended by Builders. For sale by the Hardware Trade generally. Manufactured by the

Richmond Safety Gate Co., Richmond, Ind.

Our Lacaro mix on the quality in the market only the best



Sand Papers IN Reams and Rolls
- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co
700 MARKET STREET, PHILADELPHIA
97 BEEKMAN STREET, NEW YORK
140 MILK STREET, BOSTON
109 LAKE STREET, CHICAGO.

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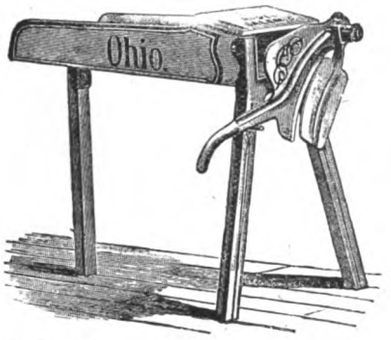
WE ARE SOLE MANUFACTURERS OF
THE CELEBRATED BRANDS

Western Red End.
Quinnebog,
Blue Bank,
Diamond,
Rerea,
Star.

Send for Catalogue C. 2, illustrating many other well-known brands of SCYTHE STONES also MOUNTED GRINDSTONES, &c.

THE CLEVELAND STONE CO.,
Hickox Building. **Cleveland, O.**

"OHIO" LEVER CUTTER
1894 PATTERN, PRICE, $5.00.

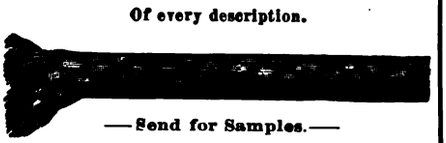


SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

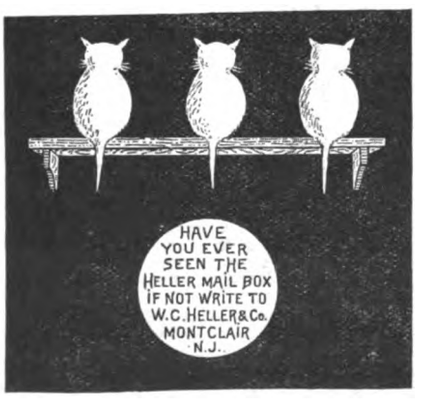
It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear thus giving a perfect shear cut at all times.
Shipped K. D. to secure lowest freight rate, and can be set up in a moment.
Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO.,
SALEM, OHIO.

Braided Cord
Of every description.



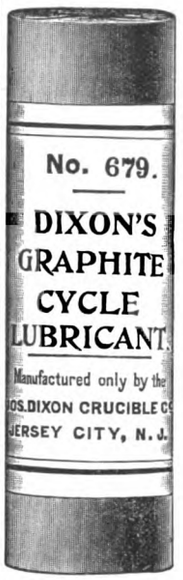
—Send for Samples.—
TATE MFG. CO., MALDEN, MASS.



Reduced Prices for Painter's Colors

Send for our new (March 1, '95) net dealers price list for the Lawrence Colors in Oil. Quality, as before, unsurpassed. We want your trade, and if the best goods at closest prices count with you we should have it.

W. W. LAWRENCE, - - Pittsburgh and Buffalo



Do You Sell Bicycles?

We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.



BOSTON RAISIN SEEDER.
THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.
Retail price 25 cents. Special price to the trade.

Manufactured by
Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.

THE L. & I. J. WHITE CO., Buffalo, N. Y.
MANUFACTURERS OF
Edge Tools, Coopers', Carpenters', Ship. Full line of Chisels, etc.



BARK SPUD.

DRESDEN:
33 Werder Strasse.



LIMOGES:
46 Route de Paris.

LEONARD'S VIENNA CHINA AT FIRST HANDS.

P. H. LEONARD,
—Manufacturer and Importer—
VIENNA CHINA, LIMOGES CHINA,
AND FOREIGN GLASSWARE.
76 & 78 READE ST., NEW YORK

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100%



The above figure represents the increase in the sales of the

Cream City Flour Bin

during the first four months of 1895 over those made in the corresponding time in 1894.

They are not as cheap as other similar devices, but they are so much better, that the people will buy them. An article that has merit, and is sold at a reasonable price, should commend itself to the attention of progressive dealers.

Respectfully,

The Geuder & Paeschke Mfg. Co.,

MANUFACTURERS,

Milwaukee, Wisconsin.

NEW

GALVANIZED WATERING POTS.



Improved Spouts. Deep Deflected Bottoms.

MADE OF GOOD MATERIAL.

Galvanized after being put together.

THE BEST LOOKING AND BEST MADE WATERING POT YET OFFERED.

MADE ONLY BY

MATTHAI, INGRAM & CO.

ALSO MANUFACTURERS OF A FULL LINE OF

Stamped, Pieced and Japanned Tinware, Mottled Enameled Ware, Galvanized Iron Ware, and Sheet Metal Goods.

Factory and Salesrooms, BALTIMORE, MD.

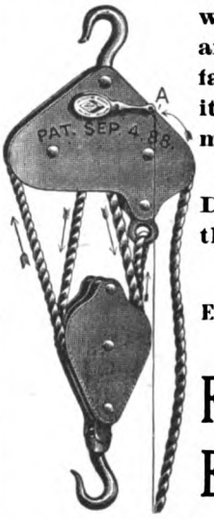
NEW YORK BRANCH
Cliff Street.

CHICAGO: 237 Lake Street.
G. M. Richardson in charge

THE

"Sure Grip"

Steel Tackle Block



will hold load at any point without fastening the rope; it is the best on the market.

It pays Hardware Dealers to handle them.

Send for Catalogue.

ESTABLISHED 1852.

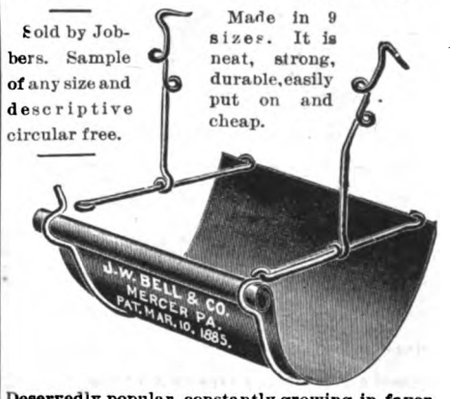
Fulton Iron & Engine Works

26 Brush Street, Detroit, Mich.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO.,
General Southern Agents, Atlanta, Ga.

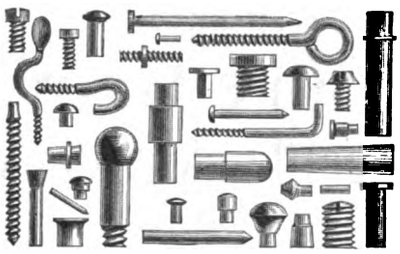
CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

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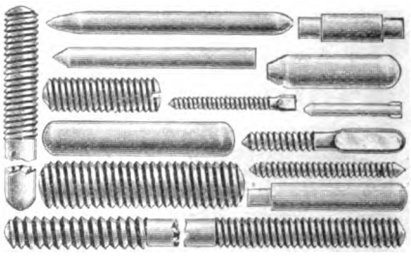


Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

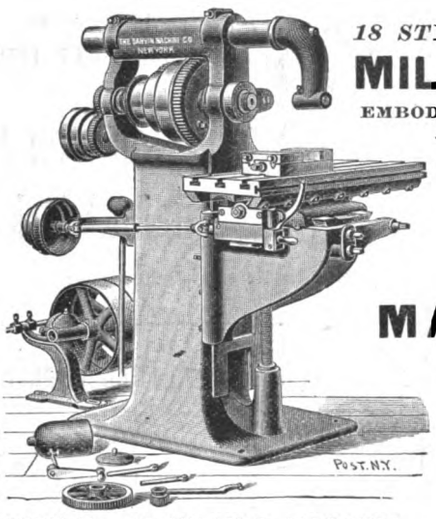
BLAKE & JOHNSON,
WATERBURY, CONN.



TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.
Tools, Cutlery and Springs.



CREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.



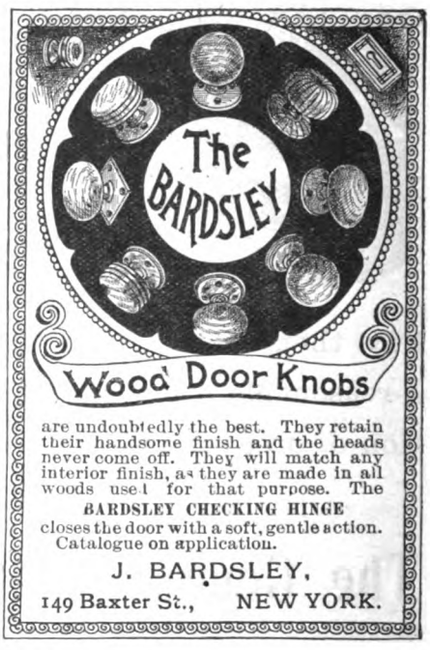
NEW No. 15 MILLING MACHINE.

WE BUILD
18 STYLES, OF *27 SIZES*
MILLING MACHINES,
EMBODYING THE MOST ADVANCED IDEAS AND ADAPTED TO EVERY VARIETY OF
MODERN
TOOL & MACHINE WORK.

IMMEDIATE DELIVERY
Can usually be made of any style or size.

MACHINE TOOLS
OF ALL KINDS IN STOCK.
☞ Write for Our 1894 Illustrated and Descriptive Catalogue.

The Garvin Machine Co.,
Laight & Canal Sts., New York.
Also 51 North 7th St., Philadelphia, Pa



are undoubtedly the best. They retain their handsome finish and the heads never come off. They will match any interior finish, as they are made in all woods used for that purpose. The
BARDSLEY CHECKING HINGE
closes the door with a soft, gentle action.
Catalogue on application.

J. BARDSLEY,
149 Baxter St., NEW YORK.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

DUNLAP'S SUPERIOR ICE TOOLS



Ice Cream Can Scraper.

Blades made of Crucible Cast Steel, carefully hardened and tempered. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St., New York.

P. S. STUB'S FILES. TOOLS. STEEL.
Hubert's French EMERY PAPER.
KEARNEY & FOOT FILES.

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
103 109 FULTON ST. NEW YORK. 109

ADDIS'S Carving Tools.
Chesterman's TAPES AND RULES.
TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

GENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.
"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.



BUCK BROS. CAST STEEL
BUCK BROTHERS



BUCK'S HEAD.

TO GAIN SUCCESS IN BUSINESS,

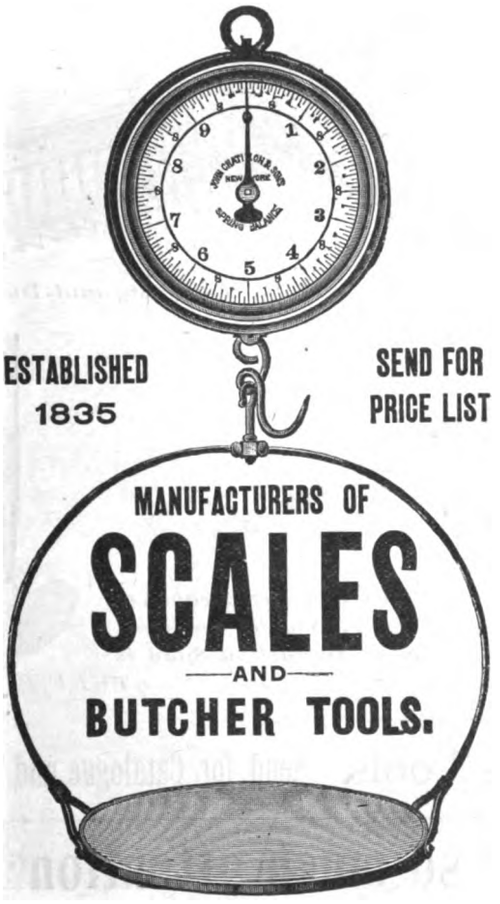
It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

SEND FOR PRICE LIST

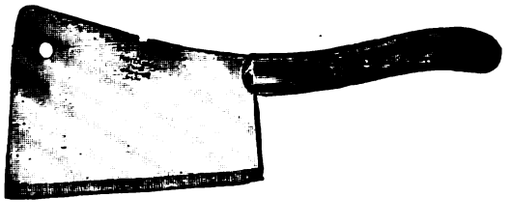
MANUFACTURERS OF

SCALES

—AND—

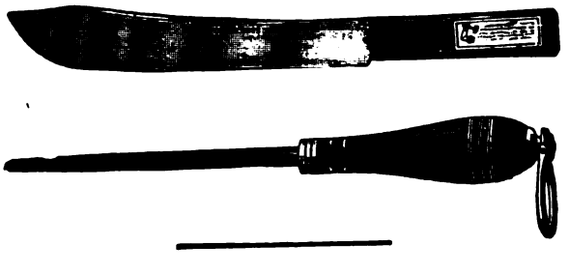
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

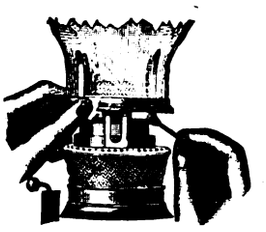
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

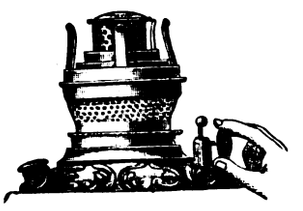
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. **BOSTON,** 160 Congress St. **PHILADELPHIA,** Room 710, Betz Bldg. **CHICAGO,** 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.



Ratchet Wick-Raising Movement.



Patent Lighting Lift.

Shows Lighting Without Removing Shade or Chimney.

THE "ROYAL"

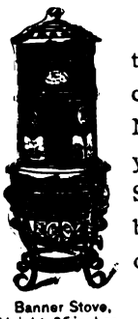
Has the *only* chimney lift which will stay in position while lighting the lamp.

It is the only lamp with the Ratchet Attachment to raise and lower the Draw Bar giving perfect control of the wick. It gives more light for the wick exposure and consumption of oil than any other lamp taking same size wick.



No. 866 Royal Lamp.

THE "BANNER" OIL STOVE.



Banner Stove. Height, 26 inches.

Will heat a room 15 to 20 feet square. No chimney. No smoke. No odor. Get one for your Bed, Bath and Smoking Room, Library, Nursery, Office or Conservatory.

SOLE MAKERS,

The Plume & Atwood M'f'g Co.

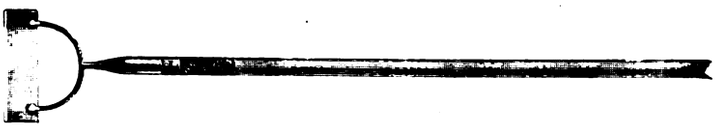
New York City. **Chicago, Ill.**

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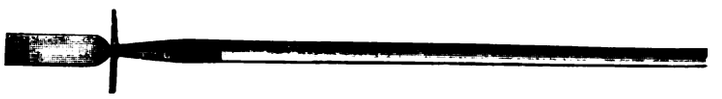
Withington & Cooley Manufacturing Co.,

JACKSON, MICH., U. S. A.

The Season is here. « LAWN · TOOLS » We Have Them.



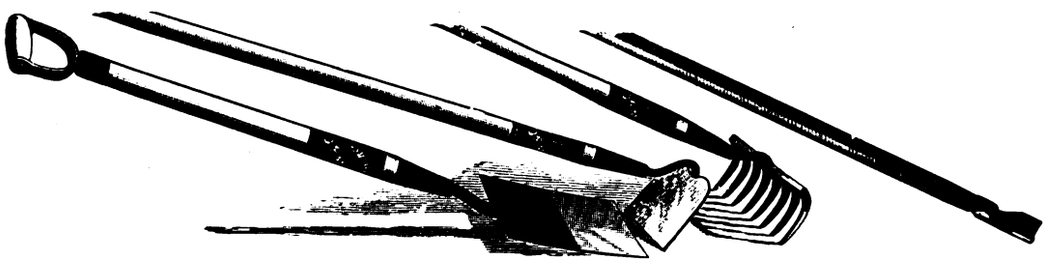
SHUFFLE HOE.



THISTLE OR WEED CUTTERS.



LAWN RAKES. Simplicity and Durability



FLORAL SETS. Four Tools; not toys, but made in a first-class manner. Serviceable, of best material. Hoe and spade have forged steel blades, brightly polished. Rake is of malleable iron, latest pattern, and polished. Dandelion Spud is needed in every lawn or grass plat.



TURF EDGERS

Also a full line of Farm and Garden Tools. Send for Catalogue and Prices

The Forks which are attracting so much attention

THE

VICTOR {Braced Shank} FORKS



Made in

Hay, Manure and Header Fork Patterns,

Of one piece of steel.

Patented.

MADE ONLY BY

The Iowa Farming Tool Co.,

Fort Madison, Iowa, U. S. A.

Manufacturers for more than 40 years for home and foreign trade of

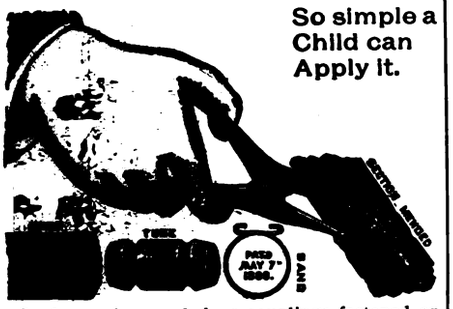
Forks, Hoes, Rakes, Scythe Snaths, Grain Cradles, &c., &c.

Illustrated Catalogue on Application.

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Hudson's . . . . Garden Hose . . Mender . . . .

So simple a Child can Apply it.



Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in hese goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

AT THE TOP AND GOING TO STAY THERE



OPERATING: Wheeler, Madden & Clemson Mfg. Co. Richardson Bros. Harvey W. Peace Co. Woodrough & McParlin

THE NATIONAL SAW CO.

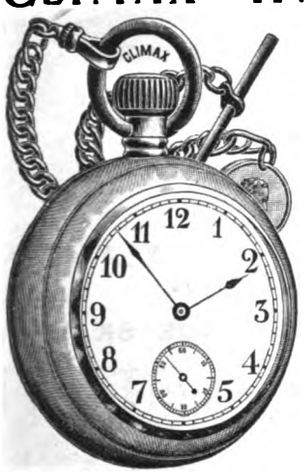
GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of SAWS Of Every.. Description

Get the Best Keep Posted

Send for Descriptive Lists

CLIMAX WATCH



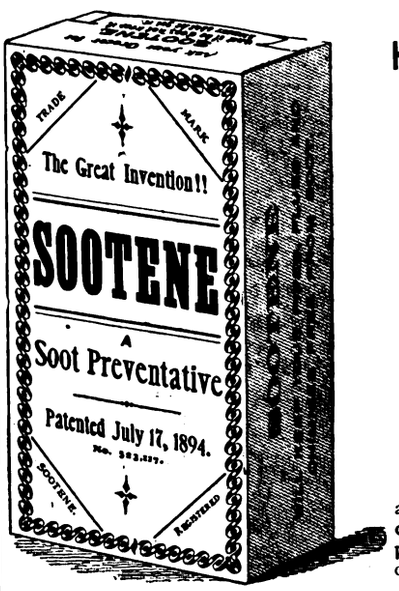
FOR

$2.00

American Lantern Pinion Stem Wind ¼ Plate Gilt and Nickel Plain and Fancy Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.



SOOTENE SERMON No. 4.

HOT, HOTTER, HOTTEST.

Yes, but that is the way a woman wants her fire in many instances. She can have such a fire if she will sprinkle a spoonful of ***SOOTENE*** over the burning coals, which will then glow with intenser heat. The sale of ***SOOTENE*** is rapidly extending and will soon be found in every kitchen. It is a

GROCER'S INVENTION.

Retailers who are not already familiar with ***SOOTENE*** should write for particulars to

ROYALL GIVENS,
Corpus Christi, Tex.

We want an agent in each State—where we have not already secured a representative—to sell Sootene. Sole control given to each agent by **contract.** While we prefer that wholesale dealer act as agents, we will not object to giving the agency to live, active jobbers.

A business without advertising is like a gun without ammunition. Advertise in **"HARDWARE."**

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

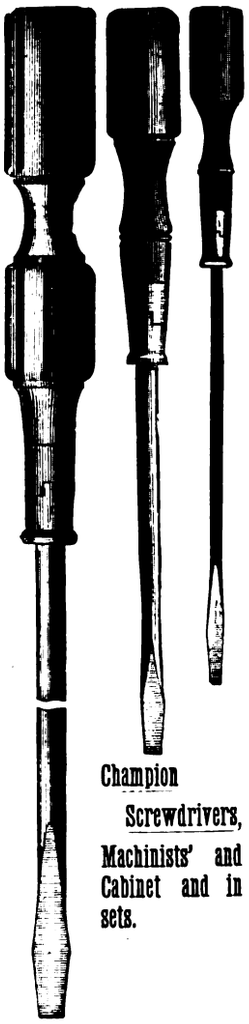
Models, Special Tools

And the manufacture of all kinds of

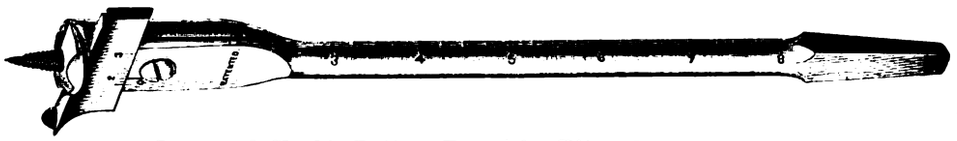
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

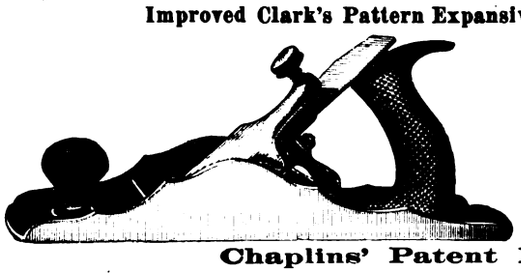


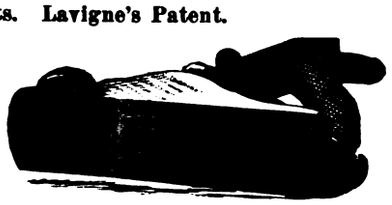
Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

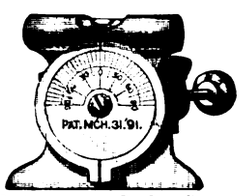
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

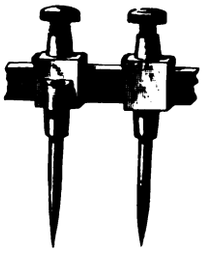
Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



Plumb Bobs and Trammel Points.



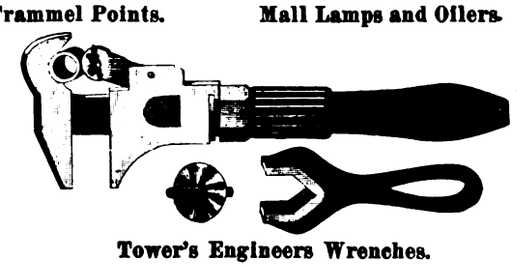




Mall Lamps and Oilers.



Stephen's Pat. Vises.



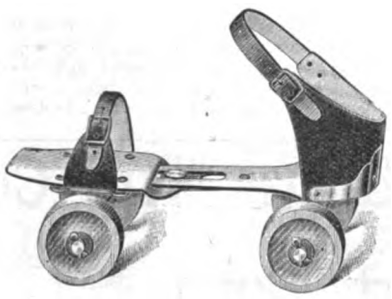
Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers **Padlocks, Police Goods, Etc.**

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



EXTENSION ROLLER SKATES.

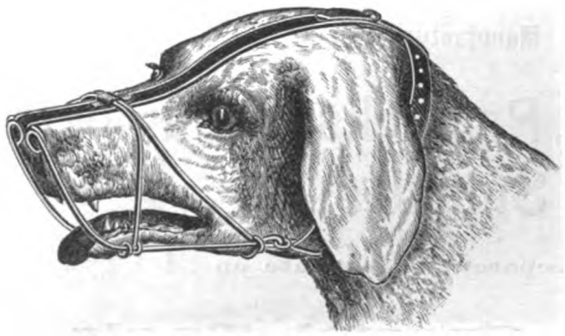




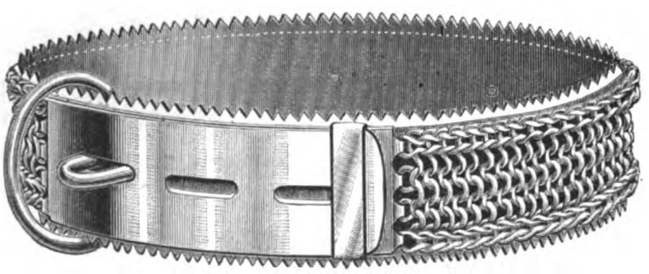
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

UNION HARDWARE CO.,

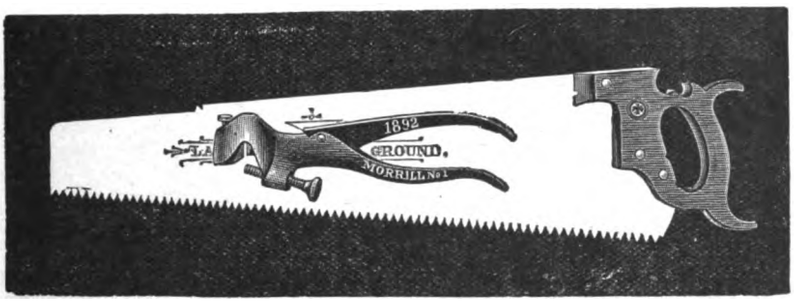
95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

New York Office in charge of TOWER & LYON.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN-STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	⅛—¾	⅜—1	¾—1⅜	1½—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen.	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *out diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.



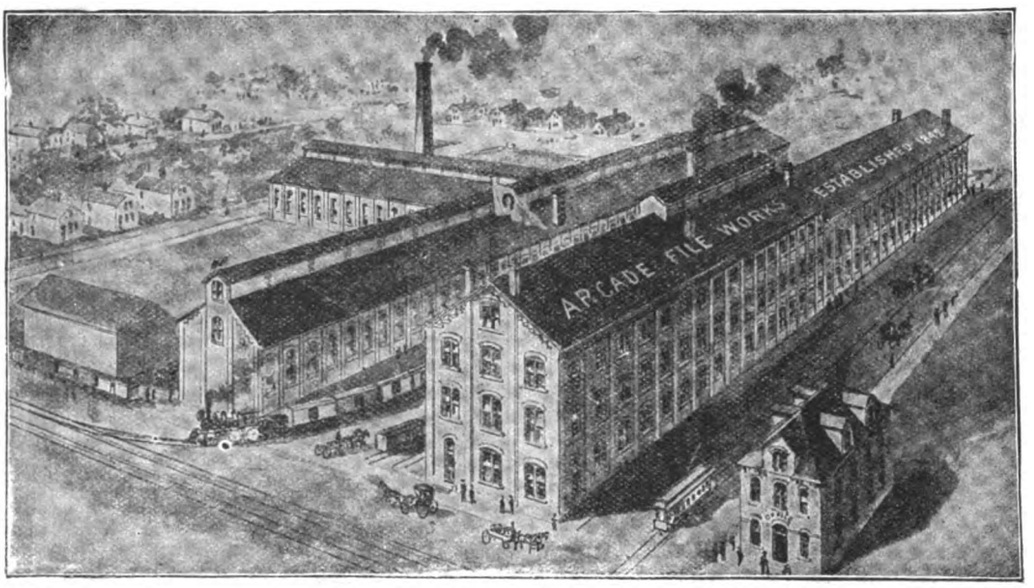
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

Eastern Office and Warehouse, 83 READE STREET, - NEW YORK CITY.



Western Office and Warehouse, 23 LAKE STREET, - CHICAGO, ILL.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the Improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.

The Automatic Refrigerator

has more good points and does better work than any other, and for that reason is a better seller. Our illustrated catalogue for 1895 tells all about the line. Its advantages are:



Perfect circulation.
Large condensing and purifying capacity.
It has no flues to cause it to smell bad.
The trap is inside where it cannot be misplaced or lost.
The drip pipe may be cleaned without disturbing anything in either chamber, and is entirely out o the way.
It has nine walls to protect the ice and to maintain a uniform temperature in the cooling chamber.
It has woven wire provision shelves that are superior.
It has superior hardware.
It is more capacious and convenient.
Flavors of foods will not mix.
Last but not least, it's different, and will bring new customers and new trade.
We want the leading dealers to handle our goods and but one dealer in a place.
The goods are made of ash, and well finished.
For catalogue and discount address:

COLUMBIA REFRIGERATOR CO.,
Northville, Wayne Co., Mich.



Ideal Refrigerator Door Fastener.

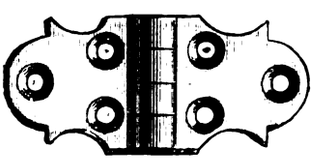
SIMPLE,
DURABLE,
PRACTICAL.

HANDLE AND WEDGE COMBINED.

MANUFACTURED BY

BRABSON BROS.,

NEWARK, N. J.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

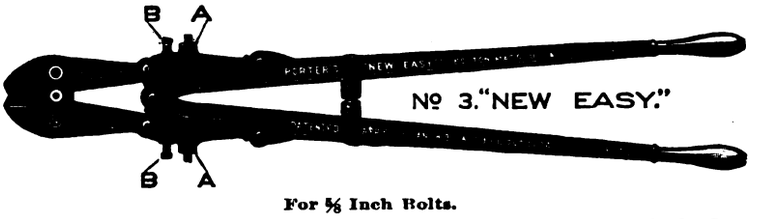
NICHOLSON FILE COMPANY
PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

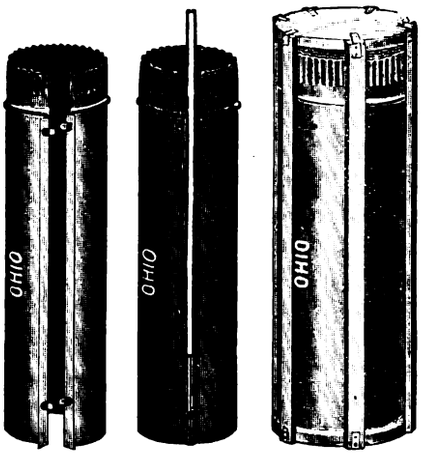
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizse:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in ... "

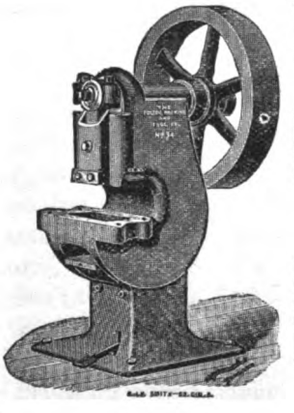
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.

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REMINGTONS FOR '95

have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:
MENS'
$100,
$90,
$75.
26 in. Boys'
$50.



PRICES:
LADIES'
$100,
$75.
26 in. Girls'
$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

Send for Illustrated '95 Catalogue free. Agents wanted in unoccupied territory.

REMINGTON ARMS CO., 313-315 Broadway, New York.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,
Varnish Makers
—AND—
Color Grinders,
45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.
296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

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HARDWARE

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THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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Southern Jobbers in Louisville.

The Southern Hardware Jobbers' Association will meet in annual convention at Louisville, Ky., on Tuesday, Wednesday and Thursday of the present week. So far as can be judged from present indications, the attendance will be large, and the interest shown in the gathering at Richmond last year fully sustained. It may seem a little close to the summer heat to make prospects for travel and hotel life pleasant, but the generous hospitality of Louisville is such as to overcome that objection, and make the prospect so attractive that the objection may have no weight. A programme of exceptional interest has been arranged, and the presence of a large number of manufacturs will add zest to the occasion, and bring that class and the jobbers into closer and more harmonious relations. This association is one of the oldest and most prominent of the many now found within the Hardware trade, and anything it does is of interest to the trade at large.

The Situation.

We have reached the table land where one can survey the trade for this season, and speculate on the possibilities of the future in the sunshine ahead. It is too early to expect such results as full crops, but the seed is being carefully planted just the same, and as the season progresses towards its culminating point, we shall have some hungry buyers looking for the supplies which in many cases will "breathe the word of promise to the ear" only. The larger jobbers are beginning to realize that many of the goods usually made up ahead by manufacturers in flush times, are scarce to-day; with many manufacturers disinclined to book orders, for such lines and nothing else, because the competing prices on the same approach too close to the border land of "no profit."

There are few jobbers but are willing to order as many of such goods as would suffice for a season's ordinary wants, at the present low prices prevailing, and while these close profit goods are being made up in limited quantities, and delivered on orders to customers who handle a manufacturer's regular and complete line, orders from outside parties, who are not usually found among his patrons, are looked at askance and declined with thanks; because it may well be believed, no factory can run with any degree of satisfaction, on a scale of profit possible, on the line of low-priced goods, invariably found in the fore-front of a competitors' quotations.

English Hardware Organizations.

The English Hardwaremen seem to have a great deal of difficulty in getting together. They have been discussing the question of organization ever since their American brethren demonstrated what could be done in that direction, and have made several attempts to follow the admirable example thus set. The journals devoted to the trade upon their side of the sea, have time and again urged them on to action. A recent number of the *Hardwareman*, of Birmingham and London, reverts to the subject in these words: "On the present occasion we propose to sink for the moment our individual opinion and to ask our readers to listen to a different voice—not the voice of persuasion or argument, but the voice of experience. What direct advantages can accrue from the formation of a local association? This, with one slight modification, is the question which has been put by our New York contemporary, HARDWARE, to the leading associations in the United States. The precise question asked was an even better test; it was—'What benefits *have accrued* to the trade through your Association?' The answers then are not matters of conjecture, or matters of possibility; they are matters of actual fact, and that is why we pause in our own exhortations to let these facts speak for themselves." This is followed by quotations from the reports from the various associations, as found in the recent anniversary number of HARDWARE. In the opinion of our esteemed English contemporary, that which has been done upon one side of the sea can be done upon the other. Why not?

When one American-built steamer, carrying the American flag, creates the excitement that attended the *St. Louis* on her initial trip, what will be the condition of the American mind when our commerce upon the seas once more assumes its old-time importance? When the seas are once more dotted with American merchantmen, sailing under the Stars and Stripes? That desired time seems close at hand.

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Parson Haines to the Travelers.

Parson Sam Haines was in St. Paul, Minn., on Sunday, May 26th, and occupied the pulpit of the People's Church, where he preached a pointed and eloquent sermon to commercial travelers, from the text: "Command that these stones be made bread." A brief extract, covering his conclusion, is taken from the full report found in the St. Paul *Globe:*

Find the number of men in this land who hold truth, honor, integrity and manliness dearer than life, and you have the physical as well as the moral force of the land, and the men who, by God's blessing, will save the land in its hour of need. Life, yours or mine, is worth just the truth and honor, the faith and valor, it holds for God's service and man's. Stand on the bridge (as I have) some night in "half a gale," when the ocean greyhound roars through the Atlantic and sends the salt spray above to her main top; sit in the engine cab when the locomotive thunders through the darkness of a wild winter night—and in the sailor pacing the bridge with you, or in the stalwart, clear-eyed engineer standing by you, you will find the types of human activities that the men of right blood recognize as manly. Rough Christians, both of them. Yes, but they both believe. When the crash comes of a collision in mid-Atlantic and the great racer has plowed her way through a sinking ship, and the order is "Boats away," or when the locomotive sways and rocks upon a track washed out, they both believe (and they stand upon the reeling deck and rushing engine) in that faith, "Man doth not live by bread alone," and they will each die that other men may live.

Some day we will carry on our business in the same heroic fashion, believing in God, who rules the world and rolls the ages on. I believe the day is coming when we shall recognize ourselves, all of us, as the sons of God, our lives in our hands for the weak, the falling, the ignorant. When chivalrous generosity shall run the shop, factory, bank. When this spirit shall permeate the whole brotherhood of commercial travelers; when we shall recognize the fatherhood of God and a common brotherhood of man.

Then let us take courage. We dare not fail. We must learn to stand fast. We do not "live by bread alone."

Good Reports from Cleveland.

A reporter has been among the Hardwaremen of Cleveland investigating the condition of trade, with the following result: H. W. Luetkemeyer, of Luetkemeyer & Sons, says that for the past five or six weeks business has been very active. "The recent frosts forced the canceling of quite a number of large orders from the surrounding country. However, it is not expected that the frost will tend to materially affect future trade. Both the retail and wholesale trade has been fair, and prices are better than last year. Everything considered, trade this season has been far better than was anticipated."

President McIntosh, of the McIntosh-Huntington Co., said: "Trade has been very brisk with us. It is the best season we have had since 1892, and our only wish is that it will continue. There is a steady advance in prices, and I believe there will soon be a general recovery from the crisis in all branches of trade. The demand is greater than we expected."

W. S. Blossom, of the Wm. Bingham Co., said: "There is a big demand for goods, and we are pushed to fill orders. Business during April was much larger than in the same month last year, and what makes it all the better is the stiff prices we are getting for the goods, owing to the advance made by the manufacturers."

President C. B. Lockwood, of the Lockwood-Taylor Co., said: "I feel that the backbone of the hard times has been broken, at least as far as our line is concerned. This season's sales have far exceeded our fondest expectations. They are much larger than last year's. The recent advance in steel and the raising of wages in the factories have forced the prevailing stiff prices, but the demand for goods has not abated. We have our hands full to fill the orders."

A Mid-Summer Shoot.

The very handsome advance announcements of the J. F. Schmelzer & Son Arms Co., Mid-Summer Shooting Tournament, to be held at Fairmount Park, Kansas City, Mo., Tuesday, Wednesday, Thursday and Friday, July 16th, 17th, 18th and 19th, have been distributed. The programme is as follows:

First day: No. 1, Quackenbush Event. No. 2, Spencer Gun Event. No. 3, Parker Gun Event. No. 4, Baker Gun Co. Event. No. 5, Continental Shot-Tower Co. Event.

Second day: No. 6, Hazard Powder Co. Event. No. 7, Hunter Arms Co. Event. No. 8, D. Kidney & Son Event. No. 9, Winchester Repeating Arms Co. Event. No. 10, Lefever Arms Co. Event.

Special event, open to the world: Fairmount Park Event. J. F. Schmelzer & Sons' World's Championship Trophy Event.

Third day: No. 11, DuPont Powder Co. Event. No. 12, Burgess Gun Event. No. 13, Syracuse Arms Co. Event. No. 14, Reporter Publishing Co. Event. No. 15, Peoria Target Co. Event.

Fourth day: No. 16, Bridgeport Gun Implement Co. Event. No. 17, Marlin Fire Arms Co. Event. No. 18, Cleveland Target Co. Event. No. 19, H. J. Upthegrove Event. No. 20, J. F. Schmelzer & Sons Arms Co. Event.

Three handsome and appropriate prizes will be awarded in each event.

Combination Cycle Co.

The following notice carries its own explanation:

The partnership heretofore existing between Russell J. Straight, of Bradford, Pa., and Daniel H. Dorsett, of Jamestown, N. Y., and doing business under the name of the Cyclone Combination Cycle Co., at Jamestown, N. Y., and at No. 309 Broadway, New York City, is this day dissolved by mutual consent. The books of the firm will remain with the Combination Cycle Co., at No. 21 West Second Street, Jamestown, N. Y., and D. H. Dorsett will sign in liquidation.

R. J. STRAIGHT,
D. H. DORSETT.

Jamestown, May 1, 1895.

The Combination Cycle Co. (incorporated) has this day succeeded the above mentioned firm in the manufacture of the Dorsett bicycles and tricycles, with general offices at No. 21 West Second Street, Jamestown, N. Y. All communications relating to the business of the company should be sent to the above address. A new price list of the products of the company has been adopted, and all former lists are void. All checks should be made payable to the Combination Cycle Co. The officers of the Combination Cycle Co. are: Russell J. Straight, president; Daniel H. Dorsett, vice-president; William H. Bentley, treasurer and manager. Capital stock, $150,000.

Jamestown, N. Y., May 1, 1895.

The Withington & Cooley Mfg. Co., Jackson, Mich., have broken ground for a new building, 140x60 feet, to be erected south of the present plant on North Mechanic Street. It will be one story and equipped with the full machinery for the manufacture of hoes, rakes, forks, handles, etc.

The June calendar card of the Jos. Dixon Crucible Co. shows a lone fisherman devoting his holiday to practical uses, and contains this quotation from Henry James: "Not much talk—a sweet silence." There also seems to be a scarcity of fish.

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THE SOUTHERN ASSOCIATION AT LOUISVILLE.

A. D. Langstaff, president of the Southern Hardware Jobbers' Association, has issued a circular letter to the members thereof concerning the coming meeting in Louisville, in which among other things he says:

The business to be brought before the Convention at Louisville, June 11th, 12th and 13th, will consist in part of a review of the operations of the various plans formulated at Richmond; to determine what plans have been successful in their application; to ascertain to what extent the members of the Association have been benefited; to determine which plans have been found impracticable and the causes of the failure of the latter. There is no doubt but that by reason of the valuable papers read at the Richmond convention, and the discussions that ensued, members have been benefited.

The methods of business have been improved as to the time on which goods are sold. Some houses have succeeded without loss of trade in reducing the previous prevailing time which had sometimes been four, six or eight months to two months. It does not require a financier to determine the almost incalculable benefit derived from this reduction of time. The extent of the application of shorter time is entirely dependent upon the earnestness of each member endeavoring to adopt it. In this effort he is not only benefiting himself, but by his co-operation he makes the general adoption of shorter time much easier.

Similar co-operative action since the Convention has reduced the then growing tendency to not charge for package and drayage. If decided action had not been taken at the Richmond convention on this subject, followed by strenuous efforts on the part of the members to charge for package and drayage, one-half of our customers—simply because it was becoming a custom—would now be refusing to pay package and drayage. Have you considered what your losses would amount to if no charge was made for package and drayage?

The reading of papers at the Richmond convention upon the most complex question, "Payment of Salaries to Traveling Salesmen," has undoubtedly resulted in a more thorough understanding by the members and by the salesmen of the opportunities presented to the salesman of making profits for his house and in this way making himself valuable; has relegated to the rear or reduced the salaries of those salesmen whose efforts had been to make large sales without that attention to profit making which is now essential to his retention.

The suggestions made by members in their able papers, "Credits and their Applications," have been productive of greater watchfulness and consequently decreased losses.

The friendships established at Richmond between members who reside in adjoining cities, but who had not previous thereto known each other personally, supplemented by the very interesting papers read on "Local Associations," have been productive of kindlier feelings and increased respect for the business ability of each other.

The peculiar conditions of trade that have prevailed during the past two years prevented some of the other plans from being operative. Even under encouraging conditions we could not expect to harmonize in one season the interests of manufacturers and jobbers who had for years been antagonistic to each other. I trust that the members do not feel discouraged because all plans were not successful. The manufacturers are anxious to have another conference, in the hope that plans may be devised that will yield to them and the distributors of their products a reasonable profit. The possible result is certainly worthy of another effort. Hence manufacturers have been invited to the conference at Louisville and will no doubt be present.

To provide that this conference should be fully comprehended by you it is essential that you should be represented. I do hope you will so appreciate the opportunities of the Convention that you will, if necessary, set aside any preventing obstacle and be present. I have not referred in this letter to combinations on prices as a part of the business of the Convention to be held at Louisville. The main purpose of the Convention should be to have a business conference, at which business talks (not necessarily speeches) may occur, so that we may feel strengthened and encouraged to endeavor to more extensively adopt the improved business methods that were suggested at Richmond or that may be suggested at Louisville.

I will in a day or two present to each member a subject for his acceptance upon which at Louisville, as at Richmond, he can take an individual interest in the Convention.

I have to-day received additional advices that the manufacturers will attend, and will be accompanied by their wives and daughters. I assume you will be accompanied by ladies. Reduced rates of $2.50 per day have been offered by the Galt House. This does not include rooms with baths, the charge of which will be $3.50 to $5 per day.

The management of the Galt House having invited the Association to make headquarters there, I have concluded to accept same where members and visitors will be registered in S, H, J, A register and receive S, H, J, A ribbons, which will be in charge of our honorary member, Mr. Irby Bennett.

Street cars are run between every depot and hotel in Louisville.

Chairman of Arrangements Committee, Captain C. F. Huhlein, advises: "We already have arrangements under way here to make the meeting in this city as pleasant as possible for all concerned." The Convention will hold sessions in Board of Trade Hall, two blocks east of the Galt House.

A. D. LANGSTAFF, President.

The programme arranged for this meeting is as follows:

Tuesday A.M.—Meeting of Executive Committee; opening of Convention.

Tuesday P.M.—Business session.

Tuesday evening.—Steamer excursion.

Wednesday A.M.—Business session.

Wednesday P.M.—Carriage drive to points of interest.

Thursday A.M.—Business session.

Thursday P.M.—Business session.

Those who know anything of Southern hospitality need not be told that the Hardwaremen and those of allied trades in Louisville will do everything in their power to make the stay one of pleasure. Business of each day's session will be largely attended to in the forenoon, while the afternoons will be devoted to recreation and the making and renewing of acquaintances. The excursion and carriage drive above noted are to be supplemented by a visit to the Mammoth Cave, via the Louisville & Nashville Railroad, the managers of which have extended an invitation to the Association to become their guests upon that occasion. The indications are that a large number of ladies will be present.

WHAT LOUISVILLE SAYS.

Word was received here this morning that the Southern Hardware Association would accept Louisville's invitation to hold its next annual meeting in this city. The Louisville Hardwaremen have been working hard to secure this meeting, and feel more than gratified with the result. Pittsburg has also been working with this end in view, and our being able

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to secure it with this obstacle in the way seems particularly fortunate, as Pittsburg is known to have a good hold on the iron men. Invitations were sent the Association by the Board of Trade and the Commercial Club, and the members of the organization in this city brought what influence they had to bear. The meeting of the Association will be held June 11th, 12th and 13th. The visitors will be entertained while here. The Southern Hardware Association is composed of the representative business men in the South. It is thought there will be at least five hundred or more visiting members of the Association at the coming meeting.—*Louisville Post.*

"Hop's" Corner.

The other day as Charley Naylor and myself sat taking our lunch at Hollender's, the butter being in a melting mood causing the reflection, I said: "The butter seems to have a trying time of it this hot weather!"

"I don't think," he replied, "that the butter should grow yellow with jealousy on that account, for even the lard has a much more 'trying' time of it at all seasons of the year." Score one for Charles.

Talking of Hollender's: Last year, when the City Hall had Mayor Gilroy in the forecastle, and the Emerald Isle furnished a large proportion of the crew, one of the lesser luminaries was entertaining at the lunch counter a relative from the "old dart," and was explaining that among other restaurants Hollender's stood pre-eminent for the many things it furnished under the head of "imported." Said he: "They sell more imported lager beer than all the other places put together, and you can have a sandwich made with imported Westphalia ham; or of imported Swiss or Rochfort cheese; or you can have Frankfurters and sauer kraut with both the ingredients made on the borders of the Rhine." He mentioned other toothsome dishes which owed their importance and increased value to the fact they were born "abroad." Finally, reaching the dessert portion of their lunch, he asked his friend what he would have in the way of pastry, and cranberry pie being mutually agreed upon, John the lunchman, looking toward the entertainer with a look in which "cheese" was the interrogation point, asked simply "Swiss or American?"

"For heaven's sake!" said our recent arrival, with his eyes open with astonishment, "are the *pies* imported too?"

The following announcement is made under date of June 1st:

You are hereby notified that the partnership between George H. Scranton and Frank T. Lee, both of New Haven, Conn., doing business as Scranton & Co., has this day been dissolved, the interest therein of Mr. Lee having been transferred to Mr. Scranton, who will pay all debts, and to whom all accounts are payable.

G. H. SCRANTON.
FRANK T. LEE.

The business will be continued by me under the name of Scranton & Co. G. H. SCRANTON.

New Haven, June 1, 1895.

The Triennial Mechanics' Fair, to be held in Boston, in October and November this year, is already filling up with a superior class of mechanical, art and manufacturing exhibits. Space is not charged for, and those who want it will do well to apply soon.

The Consolidated Wire & Nail Co., operating mills at Lockport, Joliet, St. Louis, Allentown and Pittsburg, notified the employees that wages would be advanced ten per cent. on June 1st.

The Mississippi & Missouri Valley Hardware Association will hold an annual meeting at Lake Minnetonka, Minn., on July 9th.

The Simmons Removal.

The St. Louis *Republic* of June 1st has the following: The Anderson-Wade Realty Co. yesterday made one of the most important leases of the season. They leased to the Simmons Hardware Co., for ten years, the premises at Nos. 210 and 212 North Broadway, now occupied by the Peter Nicholson & Sons Grocer Co. The amount of the lease charges, while not stated exactly, will range from $14,000 to $18,000 a year for the term of ten years. The premises consist of a new and well-built seven-story brick structure on a lot 54x127 feet, situated on the east side of Broadway, between Olive and Pine Streets. The transaction is important in two ways. It guarantees to Broadway the monopoly of the retail business for at least ten years; and it sounds the death knell to Washington Avenue property as retail property. In doing this it only emphasizes the *Republic's* position taken long since, that Washington Avenue is and must of necessity always remain a wholesale street. It is conceded without question that Mr. E. C. Simmons, president of the Simmons Hardware Co., is one of the shrewdest business men in St. Louis, and it has been known for a long time that he was seeking to remove his retail department from Washington Avenue. That he selected Broadway is but another way of emphasizing his wonderful business acumen. When asked about the lease and proposed move by a *Republic* representative, Mr. Simmons said: "Yes, we have leased the North Broadway premises, and our rent there begins June 1, but we may give Mr. Nicholson a little leeway in getting out. Our moving will begin say within fifteen days, and we will transfer our entire retail department to the new building. We will remove our wholesale department to the Cupples group as soon as our building there is finished, which will probably be September 2 this year. We expect to have our present quarters entirely vacated by the close of the present year."

In the announcement of the failure of Buehler, Bonbright & Co., of Philadelphia, in our last preceding issue, we were misled by a Philadelphia newspaper into the erroneous statement that E. D. Eyre had died in 1893. We are glad to make a decided correction, as Mr. Eyre is still upon earth—happy in a useful business life, a bright and living presence to his friends, and good, we hope, for many more years of trade. He is a member of the firm of Lesher & Eyre, at Ardmore, Pa., and writes us that he is not only still upon earth, but in the enjoyment of most excellent health.

The Iowa Farming Tool Co., Fort Madison, Iowa, are doing a very successful business this year, having one of the largest factories of the kind in the world, and making a great variety of Hand Farming Tools. Their trade is scattered all over the world, recent shipments having been made to Sweden, Germany, the Sandwich Islands and South Africa. The plant is one of the permanent things in American manufacture, having run for more than forty years, and for more than twenty years under the present incorporated name.

Irving A. Keene, treasurer of the Razorine Mfg. Co., No. 2 West Fourteenth Street, New York, will sail for Europe on June 12th, for the purpose of opening offices in London, Glasgow, Paris and Hamburg, and to advertise Razorine throughout Europe. The company state that they have not only had great success in this country, but have built up a large foreign trade.

The Morton Tin-Plate Co. are erecting a new warehouse 120 feet long, 40 feet wide between the tracks of the Baltimore & Ohio, and Cleveland & Marietta railroads, Cambridge, Ohio.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.—I.

EDITOR HARDWARE: I have read many an entertaining article in your columns and elsewhere, from the pens of successful business men, telling in more or less detail, how by honesty and close attention to business in their days of clerkship, they have won their way to proprietorship, business reputation and wealth.

I am now near fifty years of age, and hold a six-hundred dollar position in a general country store, where, I hope, if not discharged, to end my days in the monotonous round of its humble duties. There have been times when a more ambitious purpose filled my mind, but that was years ago; and my own failure in life leads me to look with considerable interest at everything recorded by men who have been able to do what I undertook, but did not carry to success.

Greatly interested attention gave I to the letters of my friend, Mark Rowland, whose business life was so graphically outlined in recent issues of HARDWARE, in that admirable serial entitled "From Porter to Partnership."

I accept your kind offer of space, Mr. Editor, in which to supplement the cheerful revelations referred to, by some truthful experiences of my own.

I will show you, in a little space, how I managed to fit myself for the position now occupied, and by what methods my business life was deprived of those emoluments of wealth and honor that my early associates have so pleasantly garnered.

I knew Mark Rowland well. Soon after he entered the employ of Mr. Ely, in the combined capacity of errand boy, porter and sub-clerk, I was installed in a similar position in the store of Samson & Crow, at the county seat, an Ohio town of some four thousand inhabitants, which possessed not only the court house, but one railroad and two long lines of hitching posts—one row upon each side of the main street, where a hundred or so teams of country buyers would find location and a feeding place during the business hours of each pleasant day.

I was born and raised in the little country town in which Mark lived, and where he laid the foundations of his business success. We attended the same school for several years, and it was with no little wonder that I noted his proficiency in arithmetic, and the confident air with which he would march up to the blackboard and "do" the most abstruse "sums" in Ray's Third Part Arithmetic. The examples and definitions which failed of accomplishment at my hands, were always turned over to Mark; and the superior air with which he would march by me, and cover the board with figures that, under his deft manipulation, always aggregated safely into the answer required by the book, was an aggravation that had its sting so deep that, even to-day, I am unable to recall it without a lingering touch of jealous heartburn.

In reading, geography and spelling, I could hold my own with him; but in those days and schools, the supreme test of intellectual merit lay in the ease with which a pupil could master his arithmetic. What an unattractive round of mysteries lay bound in that dog-eared, brown-covered book! Commencing with the multiplication table—(how I hated it, with its six times seven are forty-nine; eight times nine are ninety-four)—and working on, by the slough of Fractions; the morass of Proportion; that hill of difficulty called Partial Payments; and so on by Cube Root, Arithmetical Progression, and those like horrible things, put in, I believed, merely to entrap a boy who found more pleasure in playing "authors," or sleigh-riding with the girls, than in poking around at home, studying dry figures by the light of a tallow candle set over in the middle of the kitchen table.

I have said that the supreme test of our district school lay in arithmetical proficiency. There should be a slight modification of this statement. Once each week we had an afternoon for "speaking pieces," when the little girls would come in clean pinafores, and the big girls in curls and delaine dresses; the little boys with newly-washed faces, and the big boys in their store clothes—well do I remember that Mark Rowland was the first boy in our school to wear a real paper collar.

A few prim old ladies, redolent with "dill," and perhaps a school director, would be present upon these stirring occasions, to catch this intellectual overflow from the "Corners" school. The boy or girl who could make the best appearance in the way of essay or declamation was, for the moment, set upon a pedestal of fame equal to that of the prize pupil in Ray's distracting series of mathematical conundrums.

Where was Mark's glory in "sums," when I was permitted to march out upon the floor, in well-blacked cowhide boots and a black alpaca roundabout, and in shrill and soul-compelling manner, recite "Marco Bozzaris" or "On Linden When the Sun was Low!" I was regarded as one of the "show" pupils brought out upon such occasions: and, unfortunately for me, the idea found lodgment in my mind that as fame and honor could be so easily won in that little world by this appearance once each week, it would be folly to labor all the remaining days over lessons that were so hard to learn and so easy to forget.

The schooldays of a poor boy in the country are usually over at an early age. At a time when he should be in the hands of careful trainers, who are endeavoring to discover the bent of his talents that they may be led in the right direction, practical necessity drives him to seek some labor by which he may pay his own way in the world. I was hardly sixteen when my schooldays ended. My father's roof and table were still ungrudgingly at my service, but boots, hats and clothes required ready money, which I was considered old enough to earn.

I must confess that this view coincided with my own. I felt that all the education I should need, even for the United States Senate, which was then set as the goal of my ambition, had been already secured; and that such solid acquirements as were lacking could be made up by dash and guess-work. In later years it has been my lot to meet more than one young man who set out in life equipped with the same miserable theory.

The succeeding year was spent in farm work, here and there, at fifty cents a day—haying, hoeing, chopping, cutting corn, plowing, etc. It was good physical exercise, and in that respect a great benefit. My evenings were largely spent in reading the old *New York Ledger*, Captain Mayne Reid's remarkable stories, or Mrs. Southworth's early novels—about as bad a collection of trash as could have fallen into a boy's hands.

I think that Mark Rowland's success in getting into Mr. Ely's store first set me to the serious consideration of seeking something similar for myself. Of course, I meant to become a lawyer—we boys in those days thought that the one requirement for that profession, was an ability to "speak pieces" better than the other boys. I recognized the fact, however, that a leap from Deacon Peck's cornfield into a law office, was beyond even my abilities, and that some intermediate step was necessary. A few years in a store, I reasoned, would enable me to lay aside a little

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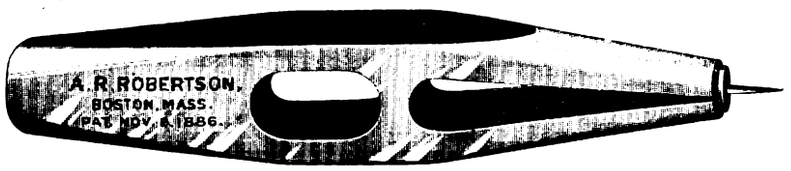
money, and pass away the time before some eminent jurist might come along, discover me, and take me into immediate partnership.

There was no chance in the stores of our village, Mark having secured the one vacancy then open. The county seat was only fifteen miles away, and my hopes naturally turned in that direction. I knew that my father would raise objection to my leaving home for a year or so at least, and I decided to do a little figuring without him.

It was late in the year when he decided to drive over to G——— with a load of hides he had been buying from the farmers, and I was permitted to go with him. We reached our destination a little before noon, and after dinner at the main tavern, I set out among the stores to seek my fortune.

Horseshoe Magnet Hammer.

The utility of magnetism as applied to hammers or other tools, has never, we believe, been more successfully demonstrated than in the Horseshoe Magnet Hammer invented and patented by Arthur R. Robertson, of Boston, Mass.



In this tool, magnetism has been brought to a high degree of efficiency and the horseshoe magnet made to serve a most useful purpose. This hammer is deservedly popular among bill-posters and traveling advertisers, "who can do more rapid and effective work with it than with any other implement ever devised for tacking up advertising cards and signs." The long plain and sectional handles also made by Mr. Robertson are, in their way, equal in quality to the hammer, and help to make the tool complete for the purpose for which it was originally devised. Springs are affixed to the long handles to assist in raising a card to the desired position and setting the first tack. While the advertiser is especially benefitted by this invention, the hammer is also useful to the upholsterer, casket trimmer, and the makers of wire screens, fruit boxes, etc. The patent covering this hammer secures to the inventor the sole right to make hammers of any size and shape embodying the principle of the horseshoe magnet. We present cuts showing the full size and shape of a regular hammer head weighing five ounces and of a section of long handle with springs affixed. Price lists can be had by addressing A. R. Robertson, No. 185 Summer Street, Boston, Mass.

Canadian Hardware Makers.

A matter of some interest to American Hardware manufacturers comes from Quebec, under date of May 18th, in these words:

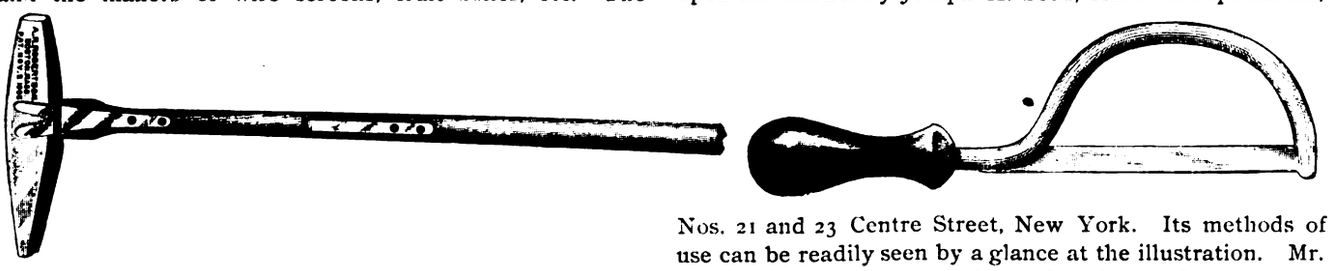
"In the House of Commons, yesterday, Sir Richard Cartwright attacked the government for having sent W. A. Hawthorne, of the Wellandvale Mfg. Co. of St. Catherines, Ont., to the United States to find out the selling price of certain Hardware goods so as to raise the customs duty on them. The result of Mr. Hawthorne's trip was to increase the price 15 and 16 per cent., in favor of his own manufactured articles. Sir Richard pointed to the indecency of such conduct on the part of the government, which went to show that they were tools of certain manufacturers in the country. No one objected to the revenue being protected, but to send an interested party to act as Mr. Hawthorne had done was indefensible. Customs Controller Wallace, who sent Mr. Hawthorne, defended his action, and said it was done to protect the revenue. Mr. Foster, however, admitted this was not the case, but that it was done with a view of protecting Canadian industry against imports of American manufacturers. This caused a strong protest from many of the Liberals, who did not see that the country would suffer if consumers did buy imported goods a few cents cheaper because of the lesser duty."

Middletown's Advantages.

The city of Middletown (Conn.) is a desirable place to locate, not only for manufacturing purposes, but for those who appreciate a comfortable and pleasant home, as it is well equipped with accommodations for all purposes. We have railroads and steamboats; two telegraph and express companies, a perfect and complete telephone service, and at a reduced price. The living expenses of a family can be reduced to a minimum, and one of the most potent agents is the gas cooking stove. The people are appreciating this fact as the sales of stoves have increased every year. They are not expensive when their efficiency is considered. Motive power for manufacturing purposes can be furnished at a moderate cost, and in small and compact form in the shape of electric motors. These do away with engines, boilers and engineers. There are over thirty-five electric motors, generating from one to thirty horse-power each, in use in this city. There are also a great many fan motors used in the local stores. It is so managed that by the application of a recording meter they pay only for the current used.—*Middletown Sentinel.*

Gas Tip Cleaner.

The handy and convenient Gas Tip Cleaner shown in the accompanying illustration is being manufactured and placed upon the market by Joseph H. Seed, Hardware specialties,



Nos. 21 and 23 Centre Street, New York. Its methods of use can be readily seen by a glance at the illustration. Mr. Seed will be glad to send the trade prices and terms, upon application.

When some important repairs demanding the presence of craftsmen of many different trades were recently made to a club house, it was noticeable that not a single mechanic of American birth and lineage was engaged upon the work. A representative of the contractor said that American mechanics were extremely hard to obtain.—*New York Sun.* We wonder if this is true?

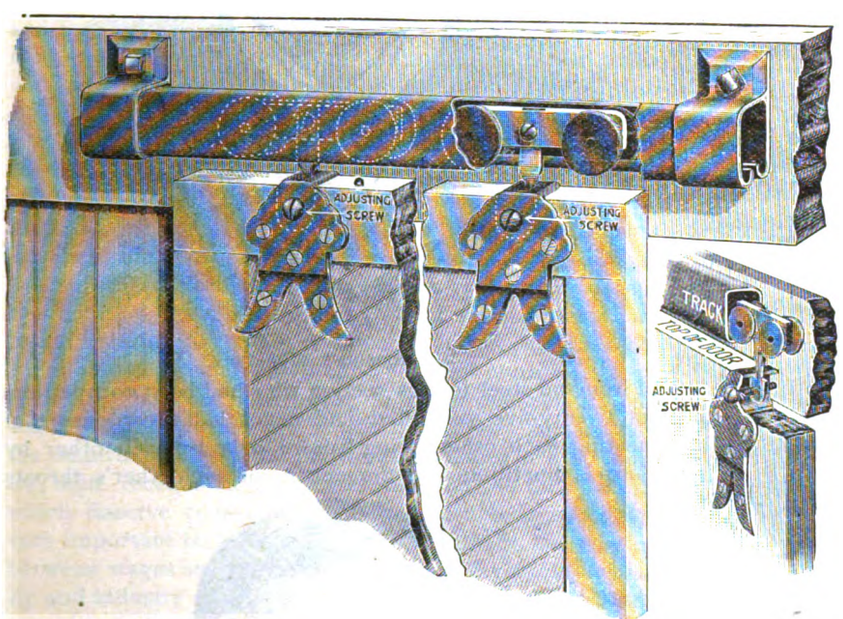
The Van Alen nail mill, at Northumberland, Pa., was started on Thursday morning last. This is the large mill that was destroyed by fire in December last. Within three hours after starting, the mill was discovered to be on fire again. It was put out without much damage.

The Laughlin Nail Works, Martin's Ferry, Ohio, have resumed, after being shut down five months. There are two hundred and twelve machines in these factories.

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Barn Door Hangers.

The illustration here shown is that of a barn door fitted with the Lateral Adjustable Hanger manufactured by the Coburn Trolley Track Mfg. Co., Holyoke, Mass. It is described as very simple and applied with little expense. The track is so constructed that a covering is not necessary when used outside. "No chance for snow or ice to obstruct the trolleys, they being entirely within the track. As the door is suspended from between the wheels a central hanging is insured, thus obviating any chafing of the door. Absolutely impossible for the door to jump the track, this feature alone being worth more than the cost of the entire fixture, but to that we add the lateral adjustment, a feature not embodied in any hanger made. The adjusting features are fully protected by patents. The adjustment allows the door to run as easily when warped as when in line. Adjustment can be made by a screwdriver, without removing any portion of the fixture, in five minutes' time. The relative position of the trolleys to track is never changed, the door being carried to or from the wall by the action of the adjusting screw. The petticoat, or door bracket, has a strolled cup, which is set into top rail of door, the pendant



from the carrier has a shoulder, cut on each side at a point of contact with sides of slot in petticoat, which sustains the weight of the door wholly, the lower end of pendant is tapped into which the adjusting screw is fitted, that in turn being keyed into the petticoat, so that by giving the adjusting screw a few turns in either direction, you will carry the door to or from the wall more than an inch, thus relieving any binding occasioned by twisting or warping of the door. Each set of Barn Door Hangers consists of 2 roller-bearing carriers with pendants attached, 2 petticoats, or door brackets, 4 roller-bearing trolleys, 1 right and left end track bracket, center brackets enough for each point."

A Flying Bicycle.

Oscar F. Lewis, Saratoga, N. Y., has invented a very curious bicycle air-ship, from which he expects great things, says an exchange. "Mr. Lewis is a market gardener and something of an amateur machinist. Several years ago he became interested in the subject of air-ships and flying machines. He made several models that were unsatisfactory. He finally hit on his present model, and constructed an air-ship rather than a flying machine. It is to be made to rise by means of a silk balloon of pillow shape, and designed to hold 3000 cubic feet of gas. The balloon is about 50 feet long. Suspended from it is an aluminum frame in which is set a bicycle. The wheels of the machine are worked by pedals and are connected by belts with two propellers, one in front and the other behind. The steering apparatus consists of a sail stretched on a frame 15 feet long and four feet wide. It is moved by the handle bar of the bicycle, and may be turned to an angle of 45 degrees. Mr. Lewis claims that he can turn his machine around in a space of 100 feet square. There is a regulator on the balloon by which he can grade his elevation. Judging from the size of the balloon the machine ought to go up in the air after the gas is once in it. Mr. Lewis says he can drive it 15 miles an hour."

The Clark Mfg. Co., Janesville, Wis., who were thrown out of quarters by the burning of the Victor factory, have reorganized, and will resume work in the old Holloway & Johnson store on South River Street. The articles manufactured are post augers, bag holders and trucks, patent farm gates, scales, saw tighteners and tobacco spuds. The company own all the patents. The corporation have a capital stock of $5000, and the new officers are: President, E. W. Lowell; vice-president, F. R. Pendleton; treasurer, Stanley B. Smith; secretary, H. S. Gilkey; superintendent, J. W. Clark. Mr. Pendleton succeeds George L. Carrington as vice-president and Stanley B. Smith succeeds Mr. Pendleton as treasurer. The officers are all well known business men, while Mr. Clark the superintendent is a skilled mechanic and inventor, so the continued success of the industry is assured.

At a meeting of the Stove Founders' National Defense Association in Chicago, the following stove manufacturers were elected as officers and committees for the several districts: Henry Cribben, president; W. T. Bradbury, vice-president; T. J. Hogan, secretary; A. C. Mott, treasurer. Committee for Second District—George Sard, C. S. Prizer, D. G. Reynolds, N. B. Perry, E. W. Peck. Committee for Third District—Jeremiah Dwyer, W. W. Baldwin, James Dwyer, I. B. Resor, W. T. Bradbury. Committee for Fourth District—C. H. Castle, N. H. Burt, G. D. Dana, J. W. Van Cleve, J. Goldschmidt. The first district, which comprises New England, has never been organized.

Chelsea, Mich., is on the boom. The Glazier Stove Co. have purchased a large tract of land, consisting of village lots, and are moving the houses to different parts of the village. They will commence operations at once to construct a large foundry and buildings for the shops. There is also to be constructed soon a large creamery, and there is some talk of a carriage factory being located there.

The steel frame for the extension to Gardes Hotel, New Haven, Conn., has been completed by the Berlin Iron Bridge Co., East Berlin, Conn. The new boiler house for the Piercefield Paper & Mining Co., at Piercefield Falls, N. Y., has been completed by the same company.

The San Jose Hardware Co., incorporated. Principal place of business, San Jose, Cal. Capital stock $25,000 with A. E. Holmes, S. B. Bogart and C. H. Johnson of San Jose, F. H. Holmes of Berryessa and Frank A. Bogart of San Francisco as directors.

The Washburn & Moen Mfg. Co., Worcester, Mass., have broken ground for an addition to their Grove Street Works. The building will be one story, 220x70 feet, and will be used for furnaces.

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A VERY ACTIVE HARDWARE ASSOCIATION.

The Western New England Iron, Steel & Hardware Association has, by its labors, demonstrated in many ways the good that can be secured through organizations of this character. It combines business and pleasure in an admirable manner; and while its members are enjoying themselves in a social way, at their stated reunions, they are also looking after the combined business interests of all, and in various ways protecting themselves against such dangers and impositions as can be avoided by combined action.

The Association is young in the matter of years, but old enough to have already done much good for the trade in several ways. It is a direct outcome of the fraternal movement which found its inception in the New York Hardware Club, which was followed by the organization of the now famous Boston association. Early in 1894, R. S. Woodruff, of the firm of C. S. Mersick & Co., New Haven, Conn., paid a visit to Boston, and became greatly interested in the working of the association of that city. What more especially struck him were the results from their bureau of credit and information. He at once set himself to work among the dealers in Hardware, iron and steel in Western New England, and his labors eventuated in the call from the office of C. S. Mersick & Co. to all the dealers in Connecticut and Western Massachusetts to meet at the Republican League Club House of New Haven, February 16, 1894. In response to this invitation fourteen Hardware dealers responded. At a meeting held in New Haven on April 13th, the Western New England Iron, Steel & Hardware Association was formally organized. The following officers were elected:



L. L. ENSWORTH, PRESIDENT.

L. L. Ensworth, Hartford, president.
R. S. Woodruff, New Haven, secretary.
C. C. Lewis, Springfield, treasurer.

These gentlemen have labored in season and out of season from that time to this to make the Association what it is, and we take pleasure in herewith presenting their portraits to the Hardware trade.

Mr. Woodruff, who is so intimately connected with the origin of the Association, soon after its formation stated its purposes and objects in the following words: "The object is not so much to combine and regulate prices, as to create social and friendly feeling among the members. At the time of our first meeting we found many of the older dealers in iron and steel in this section who had been competitors for twenty-five years, but had never had the pleasure of meeting each other, being known only to each other by sharp competition, and the cutting of each other's throats whenever the opportunity offered. By getting together and becoming better acquainted, we expect to do away with petty jealousy and lead each dealer to place more confidence in his competitors."



R. S. WOODRUFF, SECRETARY.



C. C LEWIS, TREASURER

It is with marked pleasure that we record the fact that

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the workings of this Association have proven very satisfactory and profitable to the members. The meetings are usually held in New Haven upon each alternate month. The attendance is always good and a general good time is enjoyed by all.

In connection with this Association, there is a Credit Bureau department to which all poor accounts are reported and referred back to each member of the Association, so that they know at all times who the delinquent and unworthy debtors are. The result brought about by the Credit Bureau has been something remarkable, as a very large percentage of the claims placed in the hands of the secretary of the Bureau has been collected.

The next meeting of this Association will be held in Hartford the second Friday in June.

Wages in Luxemburg.

George H. Murphy, United States Commercial Agent in Luxemburg, writes as follows concerning the wages there paid to workingmen:

Generally speaking, the average earnings of ordinary workmen amount to less than $200 per annum; women earn about half as much as men. The average wages of miners and foundry hands is less than $1 a day. The average annual salaries of primary school teachers are $224 for males and $179 for females. A very large majority of the officials and employees of the Government earn less than $400 each per annum. On the other hand, still speaking generally, the necessaries of life cost as much in central Europe as they do in the United States. A workingman's expenditures for clothing and rent may, possibly, be somewhat less here than in the United States; but in the town of Luxemburg, coal costs $7 per ton; eggs, 21 cents per dozen; rye flour, 3 cents per pound; wheat flour, 5 cents per pound; sugar, 8 cents per pound; butter, 25 cents per pound; beef, 19 cents per pound; veal and mutton, 16 to 20 cents per pound; fresh pork, 20 cents per pound; and smoked pork, 23 cents per pound, Naturally, in studying the material condition of the working classes of any country, their receipts and expenses are not the only factors which deserve consideration; but, undoubtedly, they are very important factors, and wherever, as here, the relation between wages and the cost of living is unfavorable, frugality and industry can hardly be expected to accomplish any miracle greater than that of enabling a thrifty workman to keep out of debt.

This distressing state of affairs is partly, no doubt, an unavoidable result of the competitive demand for employment which must exist in every densely populated country. But the misery of the European poor has been very much aggravated by that popular craze which causes the large cities and towns of Germany to grow with a rapidity as phenomenal as that which is doubling and tripling the population of our own Western cities. An important point of difference, however, lies in the fact that foreign immigration largely accounts for the development of our towns, whereas German cities expand almost entirely at the expense of the rural districts. In central Europe, every ambitious breadwinner turns his eyes and feet toward the city. Consequently in every great city the labor market is glutted, the natural result being that the wages of labor keep falling. This evil is enhanced by the ever-increasing employment of labor-saving machinery. Moreover, with the growth of manufacturing, the competition between the manufacturers themselves in the markets where they dispose of their products becomes more and more intense and results in a further decline of prices. As a consequence, manufacturers, in order to avoid loss, are compelled to reduce costs of production, and this is most conveniently effected either by reducing the wages of employees or by introducing more labor-saving machinery.

By imprudently flocking into the great cities, the workingmen of central Europe have placed themseves and families in a position of utter dependence upon huge factories, whose owners, in order to compete successfully with the owners of other huge factories, are compelled to pay to those workmen who are fortunate enough to find employment wages which will barely suffice to secure for their famlies the absolute necessaries of life.

The policy of the countries of central Europe seems to be to extend and inflate their manufacturing industries indefinitely. Their idea of national prosperity and happiness seems to be nothing more than the attainment of the ability to export manufactures and to import food. In support of this policy, in many cases, the governments of different central European States take from the workingman an import duty on his food in order to give to the manufacturer an export bounty.

English Opinion of American Associations.

"Somehow or another, it strikes one that when the Americans make up their minds to carry out a national movement they manage their business better than we are accustomed to do in this country," says an English exchange. "And yet it is by no means apparent why this should be so. The United Kingdom is not only a very much smaller country, but up to a certain point it is one with a much greater solidarity of interests, and yet such a thing as a national manufacturers' convention in this country, for objects and aims common alike to all, would be difficult to conceive of, and has probably never been attempted. The nearest approach to it is the meeting of the Association of Chambers of Commerce, but the proceedings of that association have become pretty well stereotyped, and their special feature is the recurrent reproduction of fads of so extreme and impossible a character that they are seldom listened to with really serious attention. The truth appears to be that John Bull probably trusts too much to his own initiative and independent action, and thereby loses the suasion and the force which union alone can give. It is certainly time that the English manufacturers took up some similar action on behalf of the greatly depressed iron and steel industries of this country."

The first steel sailing vessel ever built on the great lakes was launched some weeks ago at the yards of the Chicago Shipbuilding Co., on the Calumet River, at Chicago. The new boat is owned by the Minnesota Steamship Co., and is named *Malta*. The *Malta* is 302 feet keel, 320 feet over all, 40 feet beam, and 24 feet deep. On a draft of 14½ feet it will carry 3000 tons, and when the 20-foot channel is completed its carrying capacity will exceed 4000 tons. The new boat has three masts and sails, but will be used as a tow barge behind the dozen big steel steamers of the company. It will be pulled, however, by a steel tow line drawn over a patent steam drumhead, which acts automatically in giving out more line under great strain and then in taking in the slack. This is the first time the new invention has been placed on a lake boat. The cost of the *Malta* is $100,000.

The construction of an object glass of extraordinary size is to be undertaken at the Jena factory in Germany for a telescope for the Berlin Exhibition of 1896. It is to be 110 centimetres (about 41 inches in diameter). This will, it is claimed, break the record once more, and be the largest object glass in the world, being many inches larger than the great Lick instrument.

Hon. David A. Dangler, president of the Dangler Stove & Mfg. Co., Cleveland, Ohio, sailed on June 8th for Europe. Accompanied by Mrs. Dangler, he will spend a couple of months in travel and sight-seeing.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Ratchet Blind and Shutter Bower.

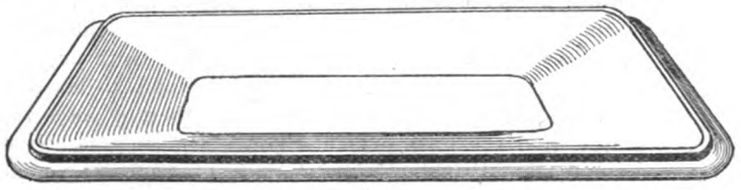
Walter Smith & Co., Juliustown, N. J., are offering the trade the Shutter Bower here illustrated. With this con-



trivance the shutters can be held at different distances apart, ranging from one-half to four inches. It also prevents them from being blown together by the wind. These Bowers are put up in half gross boxes, nicely labeled. The manufacturers state that they will deliver the first half gross as a sample lot, free of charge for expressage.

Golden Crown Butchers' Meat Trays.

The Stuart & Peterson Co., Burlington, N. J., are introducing some new Butchers' Trays, illustration of one being shown here. These Trays are made of iron, lined with porcelain, and finished on the outside with blue enamel, with an edge to protect the porcelain. It is pointed out that such trays as these are as necessary to a well-appointed



meat market as a marble counter, and doing away with wooden trays which become meat-soaked and retain unpleasant odors. These trays are designed for the use of butchers, fish dealers, grocers, and for other purposes. The trays are made in three sizes—from 29–36 inches long, 20 to 27 inches wide, 2½ to 4 inches deep, each one being packed in a separate box ready for shipping.

Nestable Strainer Pails.

Sidney Shepard & Co., Buffalo, N. Y., are offering the trade the Nestable Strainer Pails here shown. The pail has

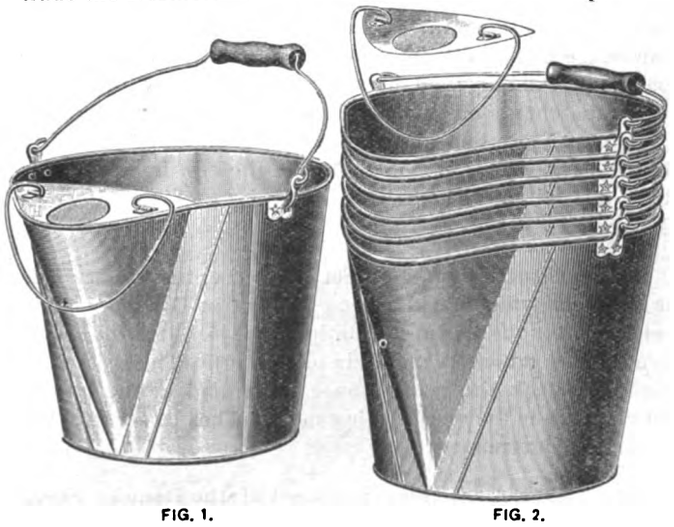
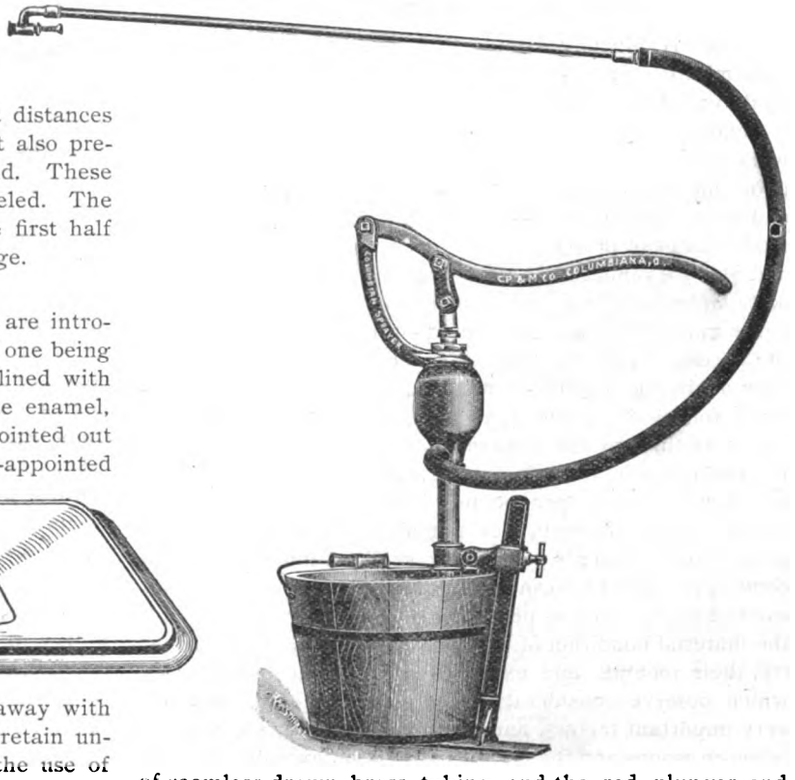


FIG. 1. FIG. 2.

a broad lip and strainer attachment, while the attachment is adapted to use muslin as well as the strainer, if desired. The point is made, that should customers object to the detachable strainer, it is arranged so that it can be readily soldered fast by a tinner in a short time. The nestable feature enables the dealer to store a dozen pails in the space usually occupied by two pails. The makers remark that they have not sacrificed the essential qualities which dairymen require, and that without taking into account the nestable features.

Columbian Bucket Sprayer.

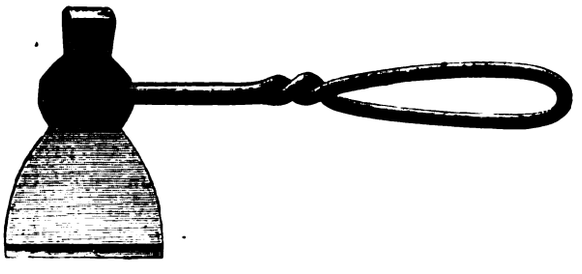
The illustration herewith given is of a Bucket Spray Pump put on the market by the Columbiana Pump & Machine Co., Columbiana, Ohio. The pump cylinder is made



of seamless drawn brass tubing, and the rod plunger and stuffing box are made of brass. The point is made that the pump is durable, and that by use of the lever attachment the necessary labor is reduced to one-fourth the effort to operate the ordinary form of direct hand hold bucket sprayer. The foot rest is so constructed that the Pump can be placed on a pail or removed from it in a few seconds, and is adjustable to any sized pail. Retail price, $3.50.

The Indestructible Hatchet.

Sedgwick & Co., No. 1319 Jackson Boulevard, Chicago, Ill., have recently introduced a hatchet under the name of the Indestructible. Illustration of same is here shown. This Hatchet is made of the best crucible steel, while the



handle is made of a steel rod twisted into a loop, enabling it to be hung upon a nail, while it is a good shape to fit the hand. The head is securely riveted to the handle, so there is no danger of its flying off. The blade is neatly polished and japanned. Price per dozen, $4.

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An Oil Can Filler.

The desirability of a device by means of which oil cans can be filled quickly and absolutely without waste of oil will be readily conceded by any machinist or engineer, and we illustrate herewith a device by which this feat can easily be

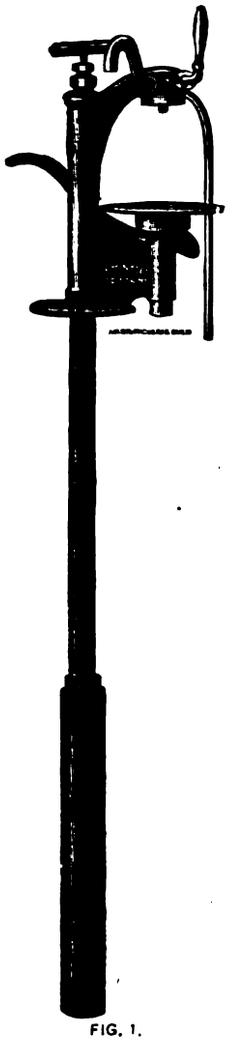


FIG. 1.

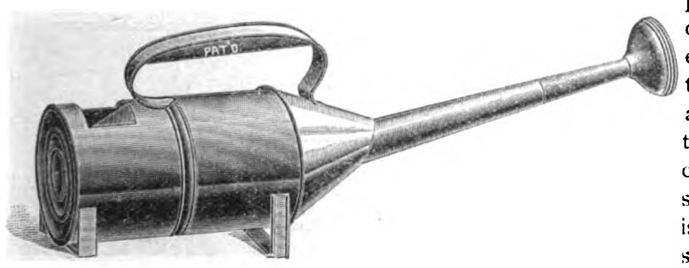


FIG. 2.

accomplished. As shown by Fig. 1, it is a pump with a flange by which it is readily attached to a tank of any kind, or a barrel, a suction pipe extending below into the oil. The pump has a brass barrel and piston, the former being 1½ inch to 12 inches long. Leather packing is used, end valves are hard steel balls. The discharge nozzle is double, i. e., there are two tubes, or openings eccentric with each other, the smaller one supplying the oil to the can, while the larger one vents it, and returns all surplus oil to the tank by means of the tube seen at the right. In operation, an oil can to be filled is placed upon the table, which is then raised until the opening in the can comes in contact with the conical discharge spout, a leather washer making the joint tight. The pump is then worked until the can is filled, and when stopped the overflow tube siphons off from the can a small quantity, sufficient to permit the spout to be screwed in without displacement of oil. Less than ten seconds suffice for a common oil can, and not a single drop of oil need be wasted or spilled. Fig. 1 shows it with a side spout by which any vessel, such as a pail, can be rapidly filled, the cock switching the discharge to this spout when desired. It is also made without this feature, as shown in Fig. 2. The manufacturer is F. D. Winkley, Madison, Wis.

The Standard Watering Pot.

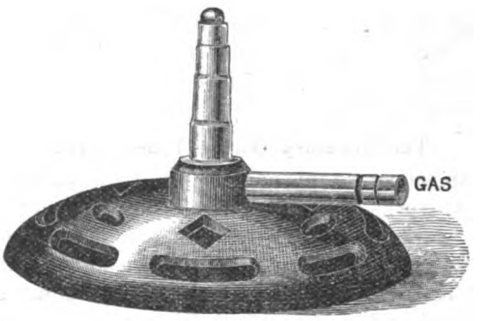
The Cleveland Stamping & Tool Co., of Cleveland, Ohio, are offering to the trade the Watering Pot here illustrated. They explain that the opening of the can is so arranged



that the water will not splash out while carrying, or when in use, and that the handle is so placed that it balances the can when filled or empty, so that the pot is much lighter to carry than the old style of watering pot. These cans are made in six sizes, 6, 8, 10, 12, 14 and 16 quarts. Any further information will be cheerfully given by the manufacturers.

Gas Stove Stand and Drop Light.

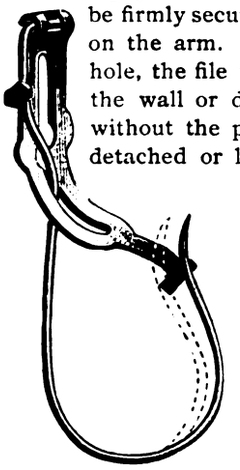
Joseph H. Seed, No. 21 Centre Street, New York, is manufacturing the Vesuvius Gas Stove Stand and Drop Light, combined, here shown. It is described as a useful



device for holding the Vesuvius Gas Stove when it is not desirable to use the ordinary gas bracket; can be connected by rubber tubing to gas supply, and placed in any position. Is also used as a drop light for reading, sewing, etc. Prices and terms to the trade upon application.

Novelty Paper File.

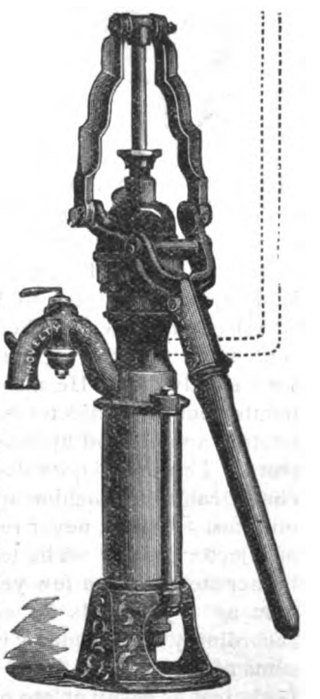
The Stover Novelty Works, Freeport, Ill., are putting on the market a new form of Paper File, which is herewith illustrated. The hook is hinged in the top of the arm and passes down through a slot in it, so that the weight of the hook brings the end of it against the end of the arm, thus automatically securing it and preventing papers from coming off. The hook must be pulled forward to open it and take off a paper. The dotted line shows how the hook may be firmly secured by passing it back of the shoulder on the arm. The frame having a slotted screw hole, the file with its contents may be taken from the wall or desk and put away in a safe or vault without the possibility of any of the papers being detached or lost from the wire. Its size is three



inches wide by five inches long.

The Novelty House or Sink Pump.

Hess, Snyder & Co., Massillon, Ohio, are putting on the market a new House or Sink Pump, illustration of which appears here. "This pump is designed for the purpose of elevating water into an attic tank or a general purpose pump about the house, embodying all the necessary features of a first-class house pump at a reasonable price. It is very substantially built, and is intended to be used where water is to be elevated to a great height, or a powerful, steady stream is wanted from the nozzle. It has a heavy 3-inch brass cylinder, brass plunger rod and brass valve seat. The patent handle attachment to the plunger rod is most complete in its arrangement for the purpose in use to-day. The handle is so arranged with an iron collar and set screw,

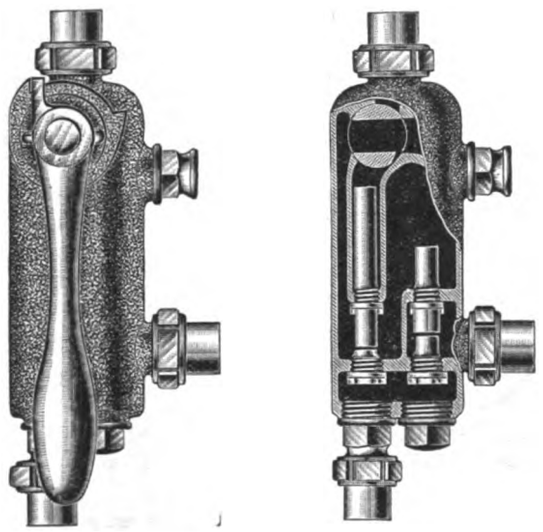


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that it can be placed in any position around the pump, making it either right or left handed, and when raised to its extreme height the plunger raises the lower valve, allowing the water to escape to prevent freezing. The mouth of the spout is tapped for ¼-inch pipe, also fitted to receive a hose coupling. The spout contains a stop cock, carefully ground in, and the back of the pump is tapped for a 1-inch pipe connection for elevating purposes, making it possible to pump water either into the sink or into the attic tank, by turning the stop cock. The base is fitted to receive 1¼-inch iron or lead pipe."

The Brownley Double Tube Injector.

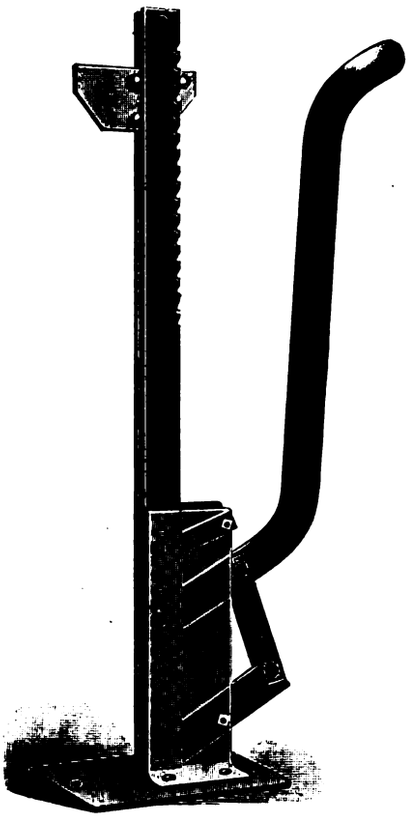
We publish cuts of this new Double Tube Valveless Injector, which works at any pressure from 15 pounds up to 350 pounds; works all the way from 350 pounds down to 6 pounds without any regulation and without breaking, and lifts and feeds water on a 3 foot lift at temperatures up to 156 degrees and on a 22 foot lift as high as 130 degrees. These leading points we gather from certificates of thoroughly well known and independent people, published by the agents of the Brownley Injector. The device appears to be very simple. The steam inlet is one size smaller than the suction and delivery, thus being very economical as regards steam. "To start the Injector, steam is given when the water will immediatele appear at the overflow; the cock is



turned by means of a lever, and the water is then being fed to the boiler. No variation of steam at any point from 350 pounds down to 6 pounds of steam causes any loss of water at the overflow. The general foreman of the Manhattan Railway says that he tested the machine and was somewhat surprised at the result, the Brownley throwing about 33 per cent. more water in a given time than others, and doing it for a steady diet. He also says that one of the greatest points about the Injector is its great simplicity, which will be duly appreciated by those having charge of Injector repairs. There are no valves to grind. Any ordinary mechanic can take machine apart and put it together in five minutes. A plant never requires to shut down on account of injector repairs. The tendency of the age is all towards higher steam. In a few years 300 pounds will be as common as 175 pounds is to-day. Many experiments have accordingly been made by injector manufacturers, and large sums of money have been spent to attain this object. It feeds just as easily at 350 pounds as at any other and at 350 pounds the water in the tank was heated by blowing steam down suction pipe to 100 degrees and injector immediately lifted and fed it through hot injector pipes. The injector for locomotive purposes is slightly varied in form so as to be interchangeable with any standard injector. No jarring or application of emergency brake causes injector to break." Circulars containing certificates from reliable and well known users of steam will be obtained on application to E. F. Keating, No. 437 Water Street, New York, the general agent in the East.

A New Departure.

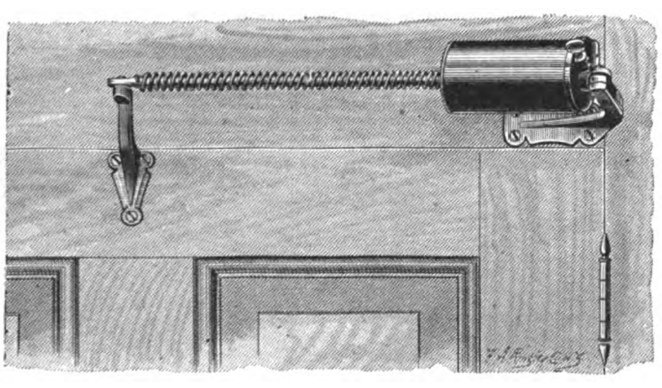
The accompanying cut is a transparent illustration of the Lane Patent Steel Jack, a new style in that line recently brought to the attention of the trade, described as "the only carriage jack on the market made wholly of steel. It



is simple, strong and compact, the lifting bar being a double column, between the two parts of which is the vertically adjustable lifting piece, doing away entirely with the ordinary objectionable steps and consequent tendency to tip forward or backward. The peculiar compound levers are also very effective." The makers, Lane Brothers, Poughkeepsie, N. Y., have had large experience in the manufacture of steel goods, being the first to successfully place upon the market a steel barn door hanger, and were also pioneers with an all steel parlor door hanger, both of which are now well-known throughout the United States and Canada.

National Spring Hinge and Check.

F. S. Hutchinson Co., Aldrich Building, Chambers, Warren and Church Streets, New York, are placing on the market the National Spring Hinge and Check, shown in the accompanying illustration. The special advantages claimed for it are: "It offers a strong, durable spring for closing



the door, combined with a check controlled by the atmospheric pressure to regulate the speed of closing and prevent the door slamming, and is at the same time very economical in first cost, as well as cost of putting it on the door and

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repairs afterward. The cylinder shown in the cut has a piston nicely fitted inside, which is forced back when the door is opened, and the air escapes through an automatic valve. which closes immediately the door starts to close, when the only air admitted back of the piston is through a hole, the size of which is regulated by a thumb screw at the top, allowing just air enough to enter to close the door at any desired speed. All springs are reversible and will fit either right or left door, and with the extension arm can be placed on doors with either flush or projecting trim. There is absolutely no more effort required to open the doors fitted with this check than with the common spring."

Interstate Trap Shooting.

The advance programme of the Interstate Association's Trap Shooting Tournament, given for the Vicksburg Club, at Vicksburg, Miss., Wednesday and Thursday, June 26th and 27th, has been received.

Twenty events will be contested, ten on each day.

The directors and committees of the Interstate Association are as follows:

Directors: Chas. Tatham, president; O. D. Delano, vice-president; J. A. H. Dressel, secretary-treasurer; Justus Von Lengerke, Noel E. Money, Geo. H. Sampson, Paul North; Elmer E. Shaner, manager. Executive Committee: J. A. H. Dressel, chairman; Chas. Tatham, Justus Von Lengerke.

Classification and Tournament Committee: Justus Von Lengerke, chairman; Noel E. Money, Paul North.

Club Organization Committee: Paul North, chairman; Noel E. Money, Justus Von Lengerke.

The subscribers to the Interstate Association are: Tatham & Bros., No. 82 Beekman Street, New York, manufacturers of American Standard shot; LeRoy Shot & Lead Works, Nos. 261–263 Water Street, New York, manufacturers of "Eagle Brand" shot; Union Metallic Cartridge Co., Bridgeport, Conn., manufacturers of trap shells and loaded ammunition; Smokeless Powder Co., Limited, No. 147 Pearl Street, Boston, Mass., manufacturers of nitro powders; American "E. C." Powder Co., Limited, Oakland, N. J., manufacturers of "E. C." powder; Cleveland Target Co., Cleveland, Ohio, manufacturers of Blue Rock targets; Von Lengerke & Detmold, No. 8 Murray Street, New York, manufacturers of sportsmen's supplies, agents for Schultze and E. C. powders and Francotte guns; Excelsior Target Co., Baltimore, Md., manufacturers of targets, traps and tournament fixtures; Winchester Repeating Arms Co., New Haven, Conn., manufacturers of repeating firearms and ammunition.

A dispatch from Pittsburg states that Herbert A. Johnson, a wire manufacturer of Manchester, England, has been there examining improved machinery for the manufacture of nails. He said: "Tariff or no tariff, it is a fact that American nails are underselling us in our own markets. Many English purchasers prefer the American article in quality. American tin-plate is selling alongside the British article in the world's markets. I cannot see why this country should be afraid of any nation in its metal manufactures. I have read much about the financial depression in this country, but I have not been able to detect many signs of it."

A New Jersey Hardwareman has this sign conspicuously displayed in his store: "If you don't want what you see, ask for something else." Up on the Bowery, New York, a sign carries this bit of advice: "If you see anything you want, steal it."

The Central Oilgas Stove Co., which purchased the immense plant of the Smith Purifier Co., at Jackson, Mich., have begun work with a large number of men.

The Disstons Increase Wages.

The 1700 employees of the Disston Saw Works, in Tacony, Philadelphia, were joyfully surprised several days ago by a notification that their wages would be increased ten per cent. The announcement of the increase was made in such an unostentatious manner that the busy workmen could hardly, for the moment, realize their good luck. The ten per cent. addition to the employees' wages was entirely voluntary on the part of members of the company, for no increase was asked for and none was expected. While the increase is only a restoration of the reduction made during the business depression a few years ago, it is none the less appreciated by those directly and indirectly affected, especially as it goes into effect at once.

Hamilton Disston, president of the Disston Saw Works, when seen by a reporter, said: "It is a fact that we have increased the wages of our employees ten per cent., or restored to them the reduction made necessary by the business depression some time ago. Although our business has not reached that prosperous stage it was in before the repeal of the McKinley tariff act, still it has improved sufficiently to warrant the increase in wages. During last month the improvement was more noticeable than for some time. It had then reached a point of from ten to twelve per cent. better than in the same month last year, and we expect that by next month our business will be improved twenty per cent. over the corresponding month last year. We always wish to pay our employees good wages, and as business is perceptibly improving it is our desire to place them where they were before the panic. Then the news comes from different parts of the country that manufacturers are restoring the reductions made some time ago, and we want to keep up with the procession. We did not make this increase because other people do so, but because we wish to pay good wages when business improves enough to warrant it."

K. & F. Twist Drill.

Announcement is made by the Kearney & Foot Co., Nos. 100 and 102 Reade Street, New York, that the twist drill business formerly carried on in the name of James D. Foot, has been continued, from June 1st, by the Kearney & Foot Co., of which Mr. Foot is president. They will place their own drill upon the market, under the well-known trade mark, K. & F. This in itself should be recognized as a guarantee of excellence. The extended experience of the Kearney & Foot Co. in the manufacturing and tempering of files, will certainly enable them to meet the requirements of the market "for a specially tempered drill by which best results in use can be obtained." "While general excellence aud quality will be their first consideration," they add, "prices will be reasonable."

George W. Prentiss & Co., Springfield, Mass., are contemplating making an addition to the wire mill on Dwight Street, and the addition will occupy the vacant land adjoining the mill. The works have been crowded for some time, and an addition will soon be necessary. The proposed addition will be three stories high, the height of the main structure, and will be filled with wire working machinery. The structure will be about 40x90 feet and have a floor space of about 10,800 square feet, not including the basement. The company has been prosperous since its organization in 1857. The present mill was built in 1870.

The Nut & Washer Mfg. Co., of Milwaukee, Wis., have made a ten per cent. advance in the wages of employees. The plant is running thirteen and one-half hours per day.

Judging from the trade in Freezers this season, America is a nation of ice cream fiends.

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ILLUSTRATED BICYCLE NOVELTIES.

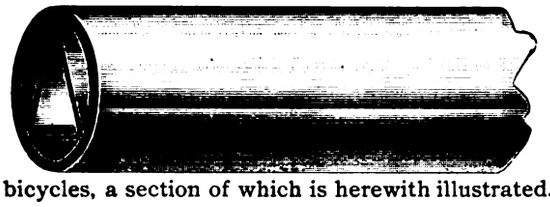
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Triangular Reinforcing Tubing.

The Hoffman Bicycle Co., Cleveland, Ohio, are using Triangular Tubing for reinforcing the frames of their Hoff-



man bicycles, a section of which is herewith illustrated. It is explained that the tubing adds about 12 ounces to the weight of an ordinary frame, but it makes the frame many times stronger than one without it. The Triangular Tubing is put in through the entire length of the top and bottom and in the rear forks. The company have applied for a patent for the device, which they control. Frames are built without the reinforced tubing if desired.

An Innovation in Bicycle Lanterns.

The Twentieth Century Headlight, invented and patented in the United States and foreign countries, by Col. Lewis F. Betts of New York, the inventor and patentee of the tubular street and driving lamps, and acknowledged expert in all matters pertaining to lamps and lanterns of the present day, is being placed on the market by the Betts Patent Head-Light Co., No. 10 Warren Street, New York. The Twentieth Century Bicycle Head-Light is built on different lines from others, and is described as able to stand the most severe test of bicycles and of wind. "The Betts patents cover a new system of regulating the injection and the ejection of air, to form a perfect combustion and other ingenious devices to withstand the severe motion of a bicycle. Fig. 1 shows the style of the lantern and gives the idea as to its shape. This company use no lens in their lantern, but give a powerful light, by the aid of a parabola reflector, which is of the locomotive class. Their carriage attachment, as shown in Fig. 2, to attach the lantern to the bicycle, has a minimum of motion, and is easily attached and detached from both bicycle and lantern, and when off the wheel

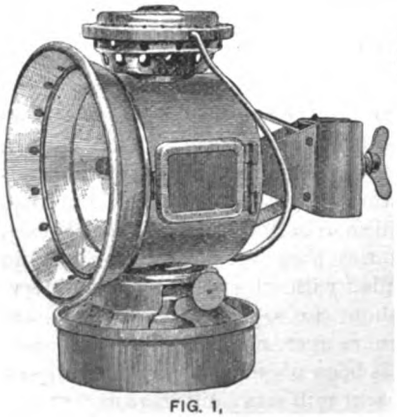


FIG. 1.

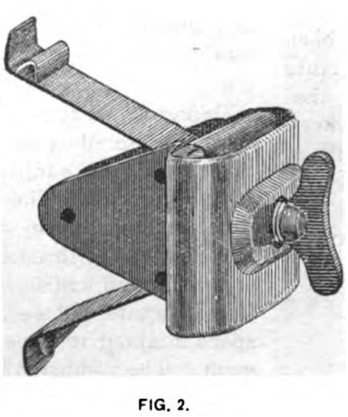


FIG. 2.

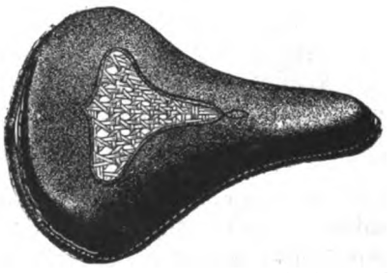


FIG. 3.

by using the bail handle, with which every lantern is fitted, becomes at once a small all-round hand lantern, as shown in Fig 3. It burns kerosene oil, while heavy and combination oils may also be used in it, if desired. The dimensions of this lantern are: extreme height, 4¾ inches; width, body of lantern, 2¾ inches; diameter, outside reflector rim, 3½ inches. The weight in aluminum is 4 ounces, aluminum bronze 7½ ounces, nickel plate 8 ounces; the spring attachment weighs 2 ounces. It is arranged so that it can be lighted, and the wick adjusted, from either side of the lantern. The oil pot carries sufficient oil to burn a matter from nine to ten hours. The lamp is simple in construction, and all parts are interchangeable, easily taken apart and put together, easy to keep clean, and there is nothing to melt, as there is no solder used in its construction. During the next few months the company will probably arrange, on this improved system, other and larger lanterns, such as locomotive head-lights, trolley car lights, and the various signal lights of this kind."

New Mesinger Saddle.

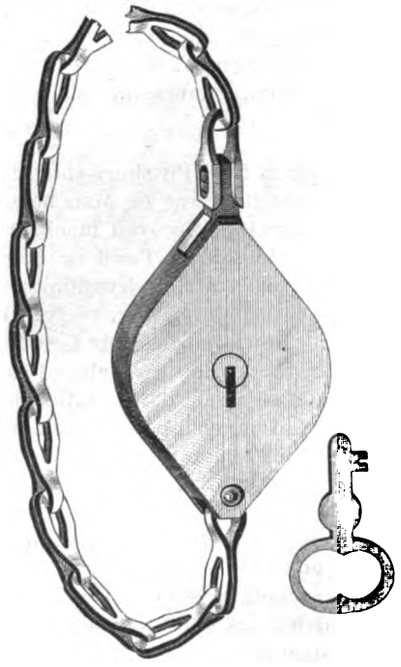
Hulbert Bros. & Co., No. 26 West Twenty-third Street, New York, have sole control of the Mesinger line of bicy-



cle saddles, an illustration of which is here shown. The saddle has a wooden cantle cane seat, ventilated and padded around the edge with felt, and covered except in the center with calf skin. The saddle is made in 10, 15 and 18 ounce weights, the 10 ounce having a wooden spring and the 15 and 18 ounce saddles having metal springs. They are referred to as handsome, light and comfortable saddles, especially suited to men's and ladies' machines. They retail at $5 for all sizes.

The Diamond Bicycle Lock.

Tower & Lyon, No. 95 Chambers Street, New York, are offering the trade a new Bicycle Lock called the Diamond. The quality of the goods offered by this company is well known and the new lock is no exception to the general rule.

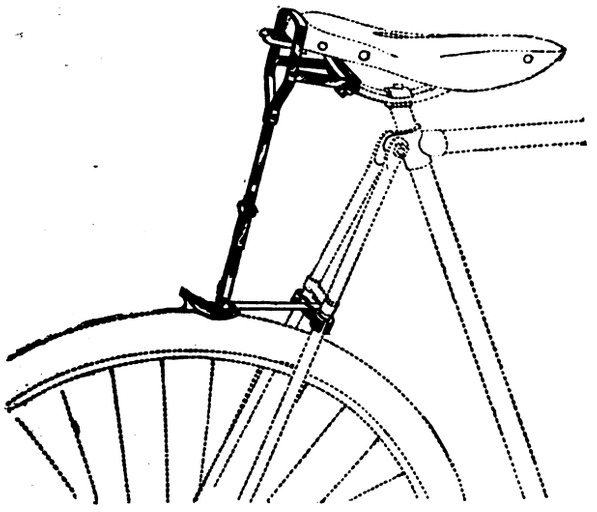


It is made entirely of brass, and is 1⅛ inches long. The brass chain is extra strong. It is referred to as neat, strong and reliable. No. 500 brass, $3.75 per dozen. No. 500 nickel-plated, $4.75 per dozen.

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The Merwin Saddle Brake.

The Merwin Saddle Brake, illustration of which is here shown, is put on the market by Hulbert Bros. & Co., No. 26 West Twenty-third Street, New York. The brake is made of Bessemer steel, light in weight and strong. It is clamped securely to the saddle springs underneath the saddle, and fits equally well, it is explained, two round springs, one flat spring, one square spring, or, in fact, any kind of a spring. It is also clamped securely to the rear forks, and the spoon is attached to a spring steel, so that when the



pressure is released it immediately comes back to its normal position, disengaging from the tire. The upright rod is in two parts, so that it may be lengthened or shortened to correspond with the height of the saddle when raised or lowered. The spoon and spring are enameled in black, and the upper part of the Brake is nickeled. It is said that the Brake works directly on the rear or power wheel; also that with both hands on the handles, and both feet on the pedals, the rider can regulate the Brake at pleasure by moving a little further back on the saddle than usual. It is explained that in case of a collision being inevitable, the rider can throw the entire weight of the body on the Brake and stop instantly, but that a header is avoided by the weight being so far back. An ordinary bicycle coat covers more than half of the brake when the rider is in the saddle, so that it is practically unobservable. The Brake is retailed at $2.

The cycle has been used in actual warfare; the first instance being a campaign against a chief of a South African tribe. A light roadster was recently used for carrying dispatches between Blaamoberg (the seat of the war) and Pistersberg, the nearest telegraphic station, a distance of seventy miles. A Mr. John Kleinenberg, a member of the Zoutpansberg Wanderers C. C., was the rider selected by the South African Republic Government to carry the dispatches, and it is interesting to learn that he was enabled to perform the trying journeys over very bad roads in much faster time than could be done by a horse. His wheel, fitted with double tube tires, stood the tests splendidly.

New York has a novel business—that of a company which offers to test gas meters, without charge if the meters are found to be correct, and for half the overcharge refunded by the gas company on all money paid if the meters are found to be fast. The company advertises that over $40,000 rebate has been made to consumers by gas companies in the past four years. The gas companies must love the inventor of the scheme.—*Boston Globe.*

The Sioux City (Iowa) Stove Co., which went to pieces in the financial crash of 1893, is to be reorganized. The receiver has applied for authority to sell the plant, and will turn it over to the company as soon as authorized to do so by the court.

Graphite Paint.

Twenty-five or thirty years ago the Dixon Co., of Jersey City, N. J., who even at that time were known the world over as the largest manufacturers of graphite products, began the manufacture and introduction of graphite paint. Ticonderoga flake graphite was used and thoroughly ground in pure, boiled linseed oil. Roofs well painted with this paint did not require repainting for ten to fifteen or even twenty years. In time all this became a matter of record, and people recognizing the economy, as well as the durability of Dixon's graphite paint and its great superiority over mineral paints, demanded that their roofs should be painted with it. "This demand, however, has led many painters to resort to sharp practices, or to make a graphite paint which they claim to be equal to Dixon's. Some painters are unprincipled enough to offer as graphite paint a compound having the color of graphite, but composed of stove-polish, cheap black lead, or even foundry facings, mixed with oil. Other painters, honest in their intentions, but ignorant that there is a vast difference in graphite, have used ordinary commercial black lead, ground with oil, expecting it would meet the requirements of their customers and prove lasting as the genuine Dixon graphite paint. So wide, however, is the difference in results, that experienced buyers insist on seeing the label on the package, or buy the paint themselves and have the painter apply it. Some time ago one of the departments of the United States Navy ordered 100 pounds of Dixon's graphite paint of a well-known dealer. The dealer, not having that quantity on hand in an original package, filled a keg from a barrel of Dixon's paint and sent it forward. It was promptly returned by the Government officials with the remark, that they had experimented enough with other makes and would only receive original packages. An experience covering a quarter of a century and over, has demonstrated that the peculiar flake graphite, mined at Ticonderoga, gives the best results. When the paint is brushed out each flake laps over its fellows, after the manner of fine fish scales, forming a covering of great elasticity and durability."

M. C. Henley, who is so widely known as a manufacturer, and who made a very large fortune several years ago in the roller skate business, is making active preparations to manufacture high grade bicycles, and is equipping his large plant at Richmond, Ill., with the best modern machinery designed for the purpose. His success in the business referred to, and the uniformily fine character of goods in this and different lines which he has since made, is sufficient to warrant the statement that the bicycles made by him will be thoroughly up to date, high class, high grade machines.

The Magnolia Metal Co., New York and Chicago, advise us that their business during the month of May has been the largest during the past two years, and that they have abundant evidence of a general revival in business. As their business is largely with the mills and manufacturers in all parts of the country, this is one of the best indications of the improvement which has been so long looked for in this country.

Farmers have taken to the bicycle in parts of Ohio, and they go to town on the wheel instead of driving. They make long trips in the same fashion to cities that hitherto they have seldom visited. One livery stable keeper in an Ohio town has bought some bicycles to rent. He says that everybody rides the wheel, while few persons ride or drive horses, so he is gradually changing the character of his business.—*New York Sun.*

The new refrigerating plant for the International Cooling Co., Atlantic City, N. J., will be designed and built throughout by the Berlin Iron Bridge Co., East Berlin, Conn.

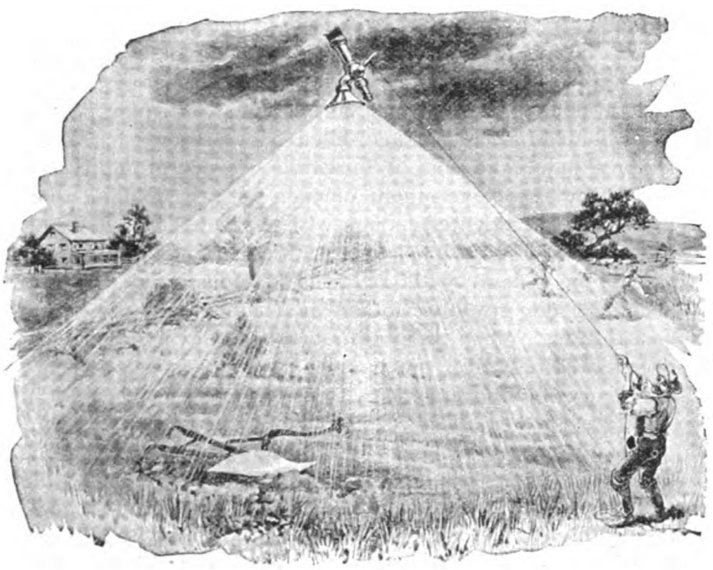
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THE BALL-NOZZLE: A MODERN WONDER.

It will pay one to visit the handsome quarters of the American Ball Nozzle Co., in the Roosevelt Building, Nos. 837–847 Broadway, at the corner of Thirteenth Street, and have a practical illustration of the working of this wonderful invention. The genial Mr. Pollock, the inventor of the system, took a HARDWARE reporter through the establishment, kindly indicating everything of interest, and in fact there are nothing but interesting things to be seen. In the cellar are located the machine shops and the workmen's shops. Here the ball nozzles are turned out in countless numbers, put together and packed. On the ground floor is the general display room, where numerous spectators are daily made acquainted with the many qualities and uses to which this great contrivance can be adapted.

The seventh floor is taken up by the offices of the president, vice-president, secretary, treasurer and general manager.

The Ball Nozzle consists of a bell-shaped nozzle and a hard rubber ball. This simple combination reverses accepted natural laws and baffles scientists. The ball placed



loosely in the bell defies the strongest pressure; one hundred, two hundred pounds of pressure of either air or water behind it will not dislodge it, and yet its resistance is so gentle that no pressure is given back to the pipe or hose. The Ball Nozzles are manufactured for fire hose, lawn sprinklers, fountains, tree and land irrigation, and wonderful results have been obtained when used as an air distributor.

In a plate glass room on the ground floor of the Roosevelt Building exhibitions of the Ball Nozzle in the field in which it will prove most useful, as a fire extinguisher, are given. This glass room is thirty five by eighteen feet and thirteen feet high, and is large enough to show the life and property saving qualities of the Ball Nozzle. An attendant clothed in oilskins enters the structure and shows the ease and rapidity with which the Ball Nozzle can be handled.

The Ball Nozzle permits the flow of the same quantity of water from the hose as a straight nozzle, without producing back pressure on the hose. A single man with one hand can manage it when it takes two or more men to manage a straight stream. It enables firemen to enter buildings in the face of flame and smoke, and to go with impunity to any part of a burning structure, fighting the fire at close range, covering the area quickly and effectively. In many cases the heavy straight stream does as much damage as the fire. The Ball Nozzle obviates this.

Immediately after the invention of the Ball Nozzle, it was adopted by the fire department of Des Moines, Iowa, the home of the inventor, and since then has been used by fire departments in other parts of the country. It has also, recently, been adopted by the Commissioners of the Fire Department of the city of Boston. The public tests made in that city proved most successful and the action of the wonderful new aid to conquering fire and smoke and saving lives and property met with the general approbation and praise of the assembled insurance and fire experts. The Ball Nozzle is said to be a most effective safeguard against fire in lumber yards. By the proper arrangement of the pipe system and the use of stand pipes with the Ball Nozzle at the top, a lumber yard may be made substantially fireproof. It also makes a beautiful fountain, and with ordinary pressure, covers a circle of forty feet, not with a thin spray, but with a heavy rain of large penetrating drops, covering more than twice the ground in less than half the time required by any other kind of lawn sprinkler, and it will save many times its cost each season by saving hose. There are no pins or fly-wheels, nothing about it to bend or break. Too often lawn sprinklers make back pressure and burst hose. The Ball Nozzle does not.

By running a small pipe from the bottom to the top of the tree, placing the Ball Nozzle at the top and attaching the hose to the pipe at the bottom, trees may be given a thorough washing and freshening, saved from destruction by insects, and kept fresh through any season; and in the case of fruit trees, a great increase in producing powers will be effected. This use of the Ball Nozzle will certainly became one of the most important features in tree culture and preservation. The Ball Nozzle may also be used with telling effect for irrigation purposes, as it quickly covers such a large area with penetrating drops.

In a prominent place on the ground floor of the company's quarters stands a heroic statue of a fireman holding on his left arm a babe and grasping in his right hand a fire hose equipped with a Ball Nozzle. Close behind this statue is a beautiful fountain thirty feet across. It is provided with the smallest sized Ball Nozzle lawn sprinkler, but even this sprinkles the entire surface of the fountain, showing conclusively what a lovely fountain can be maintained in country places or suburban residences.

The Ball Nozzle would no doubt prove most effective in the case of a fire in a hotel or large tenement house, where large numbers of lives would be in danger during a sudden conflagration.

The very clever electrotype given herewith shows the Ball Nozzle attached to the sky, and the farmer turning on the water so that rain will come down on the growing crops. Evidently, this farmer is up to date.

List price per dozen Ball Nozzle Lawn Sprinklers, ¾ inch: No. 6–J. Ball Nozzle Lawn Sprinkler, with Japanned Stand, Aluminum Elbow and Top, $18. No. 6–B. Ball Nozzle Lawn Sprinkler, with Polished Genuine Bronze Stand, Elbow and Top, $24. No. 6–N. Ball Nozzle Lawn Sprinkler, Stand, Elbow and Top, all Nickel-Plated on Bronze Metal, $30. No. 6–A. Ball Nozzle Lawn Sprinkler, Stand, Elbow and Top, Antique Copper Finish on Bronze Metal, $36. No. 3. Combination; Straight Stream, Spray and Shut off, Nickel-plated on Brass, $18, No. 4. Combination; Straight Stream, Spray and Shut off, Nickel-plated on brass, without Spike, $18. No. 5. Ball Nozzle for Fountains and Trees, Nickel-Plated on Brass, $18.

If one doubts the sterling qualities and efficiency of the Ball Nozzle, he should pay a visit to the company's headquarters and be convinced.

The ball does it all.

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George Cassidy, representing J. D. Seeberger, wholesale Hardware, Des Moines, Iowa, conceived the above idea of the Ball Nozzle attached to the sky, and the farmer turning on the water to wet down the growing crops. He sent his postal card containing this picture, notifying his customers that he would call on them at a certain time and turn on the Ball Nozzle and give them needed rain, which would insure good crops.

Barnum's Wire and Iron Work.

Attention is called to the advertisement of the old established house of E. T. Barnum, Detroit, Mich., who manufactures a full line of Wire and Iron work. We are advised by them that many of the trade are carrying a line of lawn



goods in stock, such as iron reservoir flower vases, wire and iron settees and chairs, trellises, etc., also iron hay racks, oat mangers, saddle and bridle brackets, etc., as all these goods can be sold so much better from samples than from a catalogue. It will be to the advantage of the trade to send for prices, catalogues, etc.

Recent Trade Publications.

Edward Darby & Sons, proprietors of the Pennsylvania Wire Works, Philadelphia, have published a very attractive catalogue of their Wire and Iron Goods, including brass, copper, iron and galvanized wire cloth, wire window guards, wire work, iron railings, wrought iron and brass grilles, wrought iron window guards, brass bank work, radiator guards, nursery guards, wrought iron gratings, spark guards, roof crestings, stable fixtures, coal and sand screens, iron bedsteads, wire flower stands, sieves and riddles, adjustable window screens, screen doors, etc.; in short, "everything in wire and iron." It contains about 125 pages, every one of which is filled with descriptions and illustrations of the above goods. It would be difficult to think of anything under the above varied headings, which does not find a place in this work. In a note to the trade, the company say: "We present our revised catalogue for 1895, and trust you will find it of sufficient value to examine and preserve it for all your needs, both present and at any future time. Your attention is called to the numerous improvements, and to the new articles which we have added to our extensive list of manufactures; and also to take special notice of the changes in our lists. We take pleasure in knowing the fact that we are receiving a large increase of trade from our old customers, and also from many new ones, which is very gratifying to us, and assure those who intrust orders to us that it shall be our constant aim to endeavor to attend to the same promptly and satisfactorily."

The New York Belting & Packing Co., New York, are sending the trade a couple of illustrated sheets, one of which describes their various lines of Garden or Lawn Hose, among which may be mentioned their "1846 Para," "Double Diamond," "Carbon," "Double Diamond" Cotton Hose, "Spider" Cotton Hose, and "Spider" Hose. They also show a large line of Small Hose Fittings and appurtenances. Among them are the ball nozzle lawn sprinkler, hose clamps, hose pipes, hose bands, hose straps, hose couplings, hose menders, hose reels, etc. They say: "We are prepared to promptly fill orders for any and all kinds of brass goods, hose fittings, reels, pipes, etc., at attractive prices."

"Do you like noise?" is the question that stands out with startling distinctness upon a leaflet sent out by the Sabin Machine Co., Montpelier, Vt. It is addressed to carriage owners, and explains the character and workings of Hendry's Anti-Rattler Thill Coupling Spring, which the company are so successfully placing upon the market. They describe it as adapted to any coupling, easily adjusted, an oil tempered steel spring that holds the shaft in place without wear or rattle. It is made in five sizes—¾, ⅞, 1, 1½, 1¼ inches. The company will be pleased to send further information to all who are interested.

The Smith & Egge Mfg. Co., Bridgeport, Conn., have issued a convenient and attractive leaflet, giving the prices upon their Cable Chains and Sash Chains. Sizes and other descriptive features are also given. In addition to these, the company also make padlocks, drill chucks, plumbers' chains, sanitary chains, eight hooks, split links, basin discs, Eureka Patent Shears, buttonhole attachments and other patented specialties.

The Campbell Cutlery Co., Syracuse, N. Y., have published a catalogue showing their line of Show Cases and Store Fixtures, with special reference to Campbell's Practical Sliding Display Trays. Various illustrations of these goods are given, with sizes, finishes, etc. A new revised price list is also given.

The John Robbins Mfg. Co., No. 58 Kneeland Street, Boston, have published an illustrated catalogue of their railroad and hotel baggage and key checks, metal checks of every description, badges, plates, pew, door and chair numbers, rubber stamps, seals, etc. It contains near a hundred pages, and is well illustrated.

E. W. Bliss to Move to the City.

E. W. Bliss, one of Brooklyn's best-known business men, announced to his friends yesterday his intention of withdrawing from a number of large enterprises with which he is at present connected, and incidentally let it be known that it was he who recently purchased two houses in West Fifty-first Street, New York, with the intention of tearing them down, and building on the site a modern and costly dwelling. Mr. Bliss has withdrawn from the directory of the Brooklyn City Railroad Co., and will retire, it is said, from the vice-presidency of that corporation and from the vice-presidency of the Brooklyn Gas Fixture Co. He will retain for the present his connection with the E. W. Bliss Co. and the United States Projectile Co., in both of which he holds the office of president. "I want to take a little comfort in my declining years," said Mr. Bliss, smilingly, yesterday. "As soon as my plans are completed, I shall occupy a new house in West Fifty-first Street, to be built upon the site of two lots that I bought this week. I shall keep my Bay Ridge place for a summer residence."—*New York Tribune.*

The Mica Crystal Works in Warner, N. H., owned by Col. John A. White, were totally destroyed by fire recently. Loss $15,000. Partly insured.

The cleaners and warehousemen in the employ of the New Castle (Pa.) Wire Nail Co. have been granted an advance in wages.

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Review of the Markets.

Money: The money market, like everything else, is feeling the effect of improving times. Wall Street has of late been very lively, and a great many stocks have changed hands. Holders seem generally to have confidence in the future. One of the main events touching the Hardware trade is the second collapse of the Cordage combine. Money is on call, 1@1½ per cent. Time money is quoted at 2 per cent. for ninety days, 2½ per cent. for five months, and 3 per cent. for seven months on good mixed stock exchange collateral. Commercial paper is quoted as follows: Prime endorsed bills receivable at 3½@4 per cent., choice single-name paper at 4@5 per cent., and good at 6 per cent. and upward.

Hardware: A cheerful feeling pervades the Hardware world, and dealers in general are confidently looking forward to a good fall business. Some think that a fall trade depends largely on the crops, while others to talk cheerfully is half the battle. Come what will, there is no denying the fact that business now is in good shape. Orders are coming from jobbers as if they really wanted to buy goods, no doubt with the view of accumulating stocks in anticipation of a general stiffening of prices. All goods whose prices are affected by the cost of raw materials are on the upward move, the most notable examples being wire and cut nails. The bicycle trade continues undiminished. The demand for the silent steed by all classes seems to be a veritable craze. There is also a fair call for lawn and garden goods. Some manufacturers declare that the season has been the best since 1892, many being obliged to work nights to fill orders. May this happy state of affairs continue.

Cutlery: The trade in domestic Cutlery is very good. A fair number of orders for prompt delivery are coming in. Good agents seem able to sell wherever they go. Cutlers are making preparations for a rattling fall trade.

Cut Nails: The Cut Nail manufacturers worked more rapidly than the manufacturers of Wire Nails, consequently the prices have risen in proportion. The combine of the Wire Nail concerns facilitated matters for the Cut Nail people, which accounts for their quicker organization. Prices will be maintained in sympathy with Wire Nails. The New York quotations are for carload lots on dock, $1.30; out of store, $1.40.

Wire Nails: The much talked of combine between the Wire Nail manufacturers of the country has been consummated. Fully 95 per cent. of the manufacturers are members of the Association. Negotiations to bring about this condition of affairs have been under way for some time, but now all the details have been satisfactorily arranged. The Association has been assured of the co-operation of some other concerns, who might otherwise produce a disquieting effect on the market. The executive committee of the Association will pass upon all such questions as the prices at which Nails will be sold, and the estimated demand per month. This kind of an arrangement will prevent a large accumulation of Nails which might clog the market. The prices for June have been given out as $1.20 for carload lots, at mill, Pittsburg. Quotations for less than carload lots, Pittsburg, $1.30. All prices will be governed by the Pittsburg base. New York prices are, carload lots on dock, $1.35; out of store, $1.55. At a recent meeting of the Shelf Hardware members of the New England Iron & Hardware Association, the price of Wire Nails was established at $1.60 from store and $1.25 in carload lots f. o. b., factory. Arrangements have been made between the New England Iron & Hardware Association and the Atlas Tack Corporation to have the factory price to New England points maintained by the Nail Association. Jobbers who secured large stocks of Nails at the old prices, could, no doubt, if they desired, sell at lower figures than the Association, but the temptation to reap a golden harvest will have the effect of maintaining the prices fixed. Some manufacturers look for a new card, but nothing can be said with certainty on the subject. As an inducement to large buyers, a rebate of five cents per keg, off the carload prices on lots of 1000 kegs, is allowed, providing such purchases are made within the calendar month.

Tacks: The combine of the Nail concerns has had a beneficial effect on Tacks. The market is in very good shape, and is still improving.

Nuts and Bolts: There is a better feeling in this line of goods, and manufacturers look for an advance in prices. This is made necessary by the raise in the prices of material. More definite information will be forthcoming when the result of the meeting of Nut & Bolt manufacturers, held in Cleveland, June 6th, is known. Nuts and Bolts are at present at a very low rate.

Hinges: We have just received from the Stanley Works, New Britain, Conn., and No. 79 Chambers Street, New York, a revised price list of Strap and T Hinges, adopted by the manufacturers on June 1, 1895, as follows:

Light Strap, No. 900.

3	4	5	6	7	8	10	12	14	16 Inch.
$1.10	1.45	1.80	2.30	2.80	3 25	4.50	6.50	8.50	10.50 Per Doz. Pairs.

Heavy Strap, No. 902.

4	5			6	8	10	12	14	16 Inch.
$1.70	2.30 Per Doz. Pairs			16	15	14	14	14	14 cts. Per Lb.

Light T, No. 904

3	4	5	6	7	8	9	10	12	14 Inch.
$1.25	1.35	1.70	2.00	2.30	2.60	3.25	3.80	5.15	6.70 Per Doz. Pairs.

Heavy T, No. 906.

4	5	6	8	10	12	14	16	18 Inch.
$1.65	1.90	2.30	2.90	4.25	6.00	8.20	10.00	10.65 Per Doz. Pairs

Extra Heavy T, No. 908.

5		6	8	10	12	14	16 Inch.
$2.75 Per Doz. Pairs.		17	16	15	15	15	15 cts. Per Lb.

Long Chest, No. 910.

6	8	10	12 Inch.
$2.30	3.05	3.40	4.95 Per Doz. Pairs.

Hinge Hasps, Nos. 912 and 914.

3	4½	6	8	10	12 Inch.
$1.90	2.45	3.10	4.20	6.00	8.20 Per Doz. Pairs.

Hinge Hasp Staples, No. 913.

3	4½	6	8	10	12 Inch.
$0.70	.70	.90	1 10	1.50	1.50 Per Doz. Pairs.

Crate Hasps (Single Swivel), No. 920 ..... 3 inch, $1.90 Per Doz. Pairs.
" " (Double Swivels), No. 918 ..... 3 " $1.90 " "
" Hinges, No. 916..... 3 " $1.10 " "

Patent Corrugated Steel Heavy Strap Hinges, No. 935.

4	5	6	8	10	12 Inch.
$1.70	2.30	3.25	5.20	7.50	11.00 Per Doz. Pairs.

Patent Corrugated Steel Extra Heavy Steel Hinges, No. 937.

4	5	6	8	10 Inch.
$2.00	2.75	3.60	6.00	8.00 Per Doz. Pairs.

Above List Prices are the same per dozen pairs as the regular Heavy Strap (No. 902), and Extra Heavy T Hinges (No. 908).

These Hinges are made on a new principle, and have many points of superiority over the old style Hinges. The corrugations about the joints greatly increase the strength of the Hinge, at the same time rendering it impossible for it to bind upon the Pin, no matter how rusty it may get. At the same time they are somewhat lighter than corresponding sizes of the regular Heavy Strap and Extra Heavy T Hinges, thus saving unnecessary expense for freight and making them easier to handle than the regular Hinges of corresponding sizes.

A discount of 80 per cent. was declared on the above.

No changes have been made on the following: Hart's Patent Light Strap, No. 928; Hart's Patent Heavy Strap, No. 929: Hart's Patent Extra Heavy T Hinges, No. 931; Wells' Patent Heavy Strap Hinges, No. 925, and Wells' Patent Extra Heavy T Hinges, No. 927.

White Lead, dry or in oil, Red Lead and Litharge in kegs: In lots of less than 500 pounds is quoted at 6 cents net; in lots of 500 pounds and over, 5½ cents. Zinc: Values remain the same for jobbing parcels at 3¾@4½ cents, as to quantity and quality. Putty: Prices are steady at $1.45@$2.25, as to style of packing. Linseed Oil: A fair business is being done on a basis of 56 cents.

Clapp & Co., bankers and brokers, New York, in their latest weekly letter, say: "Transportation facilities facilitate human brotherhood and usher in the Golden Age. The progress of the world is emphasized more in its improved methods of communication than in improved laws or morals. The next generation will enjoy an elbow touch with a world in which there will be few unfed, unclothed, or living in the wilderness. The generation born to abundance of gold, silver, iron, cotton, coal, electricity and foodstuffs will revolutionize methods and multiply blessings on every hand. Straws.—June 4, 1894, we said: 'The country is on the eve of great prosperity.' October 18, 1894, we said 'The verdict of the people is likely to renew confidence

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the stability of American methods, finances and industries.' February 14, 1895: 'The persistent faith of investors seems likely to secure the reward it deserves.' United States railways carried 60,000,000 tons more freight in 1894 than all the railways, steamship and sailing vessels of the balance of the world combined and at lower average rate of freights. Statistician Mulhall says the United States has the greatest productive power in the world, and increased its wealth in the past thirty years more than the total wealth of Great Britain! That the United States possess as much energy as Great Britain, France and Germany together."

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot ₩ ℔	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting	10¼
Anchor Rolling	10½
Baltimore Rolling	10½
Orford	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl. 17c. ₩ ℔	
Over 3½ to 5 " " 18c. ₩ ℔	
Square and Hexagon Rods, 1c. ₩ ℔ extra.	
Tobin Bronze Piston Rods.	
¼ to 3½ inches, inclusive 18c. ₩ ℔	
Over 3½ to 5 " " 19c. ₩ ℔	
Antimony.	
Hallett's ₩ ℔	7½
Cookson's	9¼
Lead.	
Foreign ₩ ℔	nominal.
Domestic	3½@3¾
Spelter.	
Foreign ₩ ℔	4¾
Western, common	4
Zinc.	
Sheet, cask ₩ ℔	4¾@5
Tin.	
Straits, 10 ton lots, spots ₩ ℔	15
Straits, store lots	16
Tin-Plate.	
Coke Tins:	
I B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, 14x20	4½
Do. 20x28	9.10
D. R. D. grade, 14x20	4¼
Do. 20x28.	8½

THE PHILADELPHIA TRADE.

The long lane seems to have reached the end at last, and after sixteen years of steadily declining prices, the market has apparently reached the bottom and has now begun to tread the upward path.

Prices almost without an exception are decidedly firmer, and in many cases have advanced. Jobbers are sending out numerous bulletins to their salesmen advancing prices to keep up with the market; manufacturers who have formerly scoured the country for orders, are now busily at work with enough orders booked to keep them busy for months, and many are indifferent regarding new orders.

So far the advances in prices have been exceedingly moderate—surprisingly so, when it is to be considered that prices for the last two years have not only been at the basis of cost, but in many cases have been below actual cost, so that manufacturers have found themselves out of pocket at the end of the year.

The advances hitherto made have barely covered the increased cost of material and wages, and now that the factories have begun to pick up, it is to be expected that a further advance will be demanded in wages, and everything seems to point to still higher prices.

Labor is now generally employed, and the purchasing power of the people has been greatly increased by the more general employment and by increased wages; this should mean a large increase in the volume of business, and better times all around.

We are glad to report that trade continues to be brighter, and as compared with last year, the last two months have shown a handsome improvement, with every prospect for future improvement.

The changes in prices of the last ten days are too numerous to mention in these columns, but it may safely be said that all the goods that are near the raw material have advanced, and will probably go higher in the next few weeks.

The most notable advance has been that of Cut and Wire Nails. It has been known for a long time that these goods were sold below cost, and now that a strong combination has been formed with great enthusiasm among the participants, there is every reason to believe that prices will be higher and will be maintained. Since this agreement has been made, the price of raw material has advanced so much that Nails have gone even higher, and it is not unreasonable to look for higher figures by July 1st. At last the manufacturers of Nails seem to realize that there is more profit in co-operation than there is in competition. When will the rest of us, jobbers and dealers, be wise enough to come to the same conclusion so that we may "live and let live?"

BIDDLE HARDWARE CO.

THE CLEVELAND TRADE.

Since our recent communication to you, trade conditions have remained substantially the same as outlined in that letter. The advances that have been made have been well maintained, and further advances have occurred in some lines.

The volume of business is very satisfactory, and everything points to a new era of prosperity. Whether it will be a permanent revival, with the steady advances for some time to come, is a question that is difficult to answer, but we believe, that for the next six months at least, our friends are safe in carrying good stocks, and the probabilities are that the demand will be all that could be desired. Seasonable goods are moving in large quantities, the Bicycle famine still continues, and as written above, everything looks favorable.

THE MCINTOSH-HUNTINGTON CO.

THE CHICAGO TRADE.

Business for the last two months has been of a more satisfactory nature than anything we have had now for nearly two years. Indications from quite a large percentage of the territory that we sell goods in point to a continuation of these conditions, and the general outlook throughout the country is of a more encouraging nature. It would seem as if the bottom had been actually touched, and the climb on the other side of the hill had begun. Of course the first things to feel a condition of this sort are staple articles, and we already see the result of the better feeling existing, and the increased purchasing power of the country, in the advances that have recently taken place in lines that are very close to raw material, and we hope that this will be followed in the near future by moderate advances in manufactured goods. There are spots of course around through the West that have been quite seriously affected by the heavy frosts that we have had for quite a time during last month, and there are other sections that are suffering quite severely now for rain. Still the outlook as a whole is certainly much better than anything we have seen for a long time past.

WOODROUGH & HANCHETT CO.

THE DAVENPORT TRADE

There was more excitement in the Hardware market during the last half month than at any time since 1879. The price of Nails has gone skyward like a rocket, and jobbers who only a few weeks ago were more than anxious to give Nails away, now "Grapple them to their souls with hooks of steel."

There is a new list and higher prices on Strap and T Hinges and Steel Squares. A new Basket combination has been formed, advancing prices, of course. Fence Staples, Fence Wire, Bright Wire Goods, Silver Plated Ware and Wrought Iron Goods have already advanced and are still on the incline. Another advance is anticipated in Carriage Bolts, Wood Screws and Rivets.

The sudden advance in wheat, the favorable reports of growing crops, together with the rapid upward tendency in all lines of staple Hardware, has stimulated trade; and merchants are buying freely, and in many cases they are anticipating their wants for fall trade.

We welcome the better times and improved conditions, and trust they will remain long with us; but hope, however, that the brakes will be applied in time to prevent anything approaching a commercial boom, with the consequent disastrous reactions, that would result from its occurrence.

SICKELS, PRESTON & NUTTING CO.

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My dear, dear Lord,
The purest treasure mortal times afford
Is spotless reputation---That away
And wheels may be painted iron or gilded clay;
An honest cycle that has stood the test,
Is the famous one with the Humber crest;
In quality is its fame; both grow in one;
Take quality from it and its fame is gone.

HUMBERS have been the favorite Bicycles of two generations of riders. They are still the STANDARD.

Humber & Co., America, Ltd.,
No. 318 Broadway,
New York.

THE GRAPHITE TRADE.

The business of May sums up just about as we expected it would, the marked increase being in Pencils and Crucibles, followed closely by Lubricating Graphite and Cycle Chain Lubricant. The total sales of all our graphite products being decidedly satisfactory, the month closing with liberal orders for June delivery. While the general business of the country warrants a certain percentage of the increase, we feel that we are ahead of the times, as we have been unremitting in keeping ourselves in the foreground, and in perfecting our products. During the duller season active preparations were made by the introduction of up-to-date machinery and reorganization of factory facilities, to meet the demand of later good times, and we are being repaid.

Our Vice-President, Mr. John A. Walker, sailed May 29 on the *Paris*, accompanied by Mrs. Walker and a niece, and will spend his well-earned vacation in England and Scotland, and possibly a short stay on the continent.

Collections are up to the average and cause no trouble.

JOSEPH DIXON CRUCIBLE CO.

THE VARNISH TRADE.

The Varnish and Coach Color market has shown considerable life during the last few weeks. The season has been late in beginning, but is much more satisfactory than it gave promise of at the start. Collections are greatly improved, and we anticipate a constant change for the better in the near future, both in orders and payments. The outlook is certainly most encouraging.

No. 45 Broadway, New York. EDWARD SMITH & CO.

The Cleveland Steel Co., Cleveland, Ohio, will soon launch a new enterprise which will give employment to many men. Heretofore the company has confined itself to rolling steel, but in the future it will also turn its attention to copper and tin. The rolling of copper will be an innovation in Cleveland; in fact, there are but few mills in the county. Vice-president J. A. Potter claims to have invented a new method of polishing, which will be used on the copper plates as well as the steel. He says the polish will be of an exceedingly high class, and he feels confident that it will be a success. This mill, which was formerly known as the Britton Iron & Steel Mill, has been greatly improved recently. An immense new Corliss engine has just been put in operation, and the entire plant is run automatically.

A building that will materially improve the appearance of Detroit Street, Cleveland, is being erected on the northeast corner of Detroit and State Streets, by the Cleveland Steel Range Co. It will be equipped with all the latest improved machinery for the manufacture of stoves and ranges. The building is three stories high. Its dimensions are 60x200 feet, and it will cost, when completed, in the neighborhood of $50,000. It is built of brick. About July 1st the company expect to start the factory with a force of from seventy-five to one hundred men.

H. C. Searles and James T. Diehm have purchased the plant of the Akron Hardware & Stamping Co., Akron, Ohio. They will carry on the extensive business of this company as heretofore, at the works on Stanton Avenue. Mr. Searles, who has been manager for some time, will have charge of the factory, and work will continue without delay. It is announced that the increase in business enjoyed by this company in the past six months has been so marked that it is crowded for room to fill the orders, and that additional buildings will soon be built. The company are at present finishing an order for 70,000 bicycle seats.

The Standard Stove Range Co., Terre Haute, Ind., are having their building repainted both out and inside. In the near future they will be ready to increase their force of men to twice the number as at present.

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A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.
Write for Prices and Circulars.
THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

Walter W. Woodruff & Sons, Mount Carmel, Conn., have issued under date of June 3rd a circular letter, in which they say: "In view of the considerable improvement in trade, we beg to suggest to our friends the advisability of a little more anticipation of their wants, and an earlier placing of their orders with us than during the past two years. We are now a good deal behind in our orders on several lines of goods, and the outlook is fair for a continued good trade. Prices are extremely low. A reasonable placing of orders ahead of present wants is safe, and will in all probability be advantageous to you—not only in matter of price, but in avoiding the annoyance of not having orders filled as promptly as wants may require, as is now the case in many instances. Kindly accept the suggestion in the spirit in which it is made—that of mutual benefit."

So high an authority as HARDWARE, a publication that is specially devoted to iron and steel in their manufactured forms, says it is doubtful if such a condition of affairs as exists at the present time in the bicycle business has ever before been witnessed in this country. There are over eighty manufacturers of wheels, but all find themselves swamped in the rush of orders which has come to them since they thought they had completed the season's business early in the spring. They are unable to supply the increasing demand for high grade wheels.—*Bloomington (Ill.) Leader.*

The Berlin Iron Bridge Co., East Berlin, Conn., are the engineers and architects for the large three-story building which the Union Metallic Cartridge Co. are now putting up at Bridgeport, Conn. The entire frame work of the building will be of steel, with brick walls, and all appliances for making the construction as nearly fireproof as possible.

The Apollo Iron & Steel Co. have engaged the firm of Olmstead, Olmstead & Elliot, Boston landscape artists, to lay out near Apollo, Armstrong County, Pa., a model town to bear the good old Dutch name of Vandergrift. The land purchased embraced 800 acres; 100 acres have been reserved for the mills, which will be removed from Apollo and will employ 1600 men.

The Girard Stove & Foundry Co. will move their plant to Youngstown, Ohio, commencing next week. The location selected immediately joins the company's Youngstown plant on West Federal Street. A warehouse, 40x100 feet, will be erected. After the entire works are in operation seventy-five employees will have their names on the pay-roll.

C. F. Guyon Co., No. 97 Chambers Street, New York, are placing upon the market for the use of bicycle riders, Bond's Non-Corrosive Lubricant, for use on the chain and sprocket. They say that it is composed of five of the best animal products known to science, and is solidified with a small amount of specially prepared East India Plumbago.

The New York office of the Simonds Mfg. Co., Fitchburg, Mass., has been removed to No. 42 Cortlandt Street, and is in charge of Manager L. A. Kimball. This change is to give them more room for the carrying of stock.

The forge department and the nail mills of the Laughlin Co., at Martin's Ferry Ohio, have been started up.

HARDWARE
is growing in circulation and influence with every day that passes. Now is the time to subscribe!

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our
FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.
Sent free on application to
CURTIS & CURTIS,
No. 3 Garden Street, Bridgeport, Conn.

HIGHEST GRADE OILER
FOR HIGH GRADE WHEELS.
250



Regulates supply of oil to a drop.
DOES NOT LEAK.
Cushman & Denison, 172 9th Ave., N. Y.

New York, June 1, 1895.
TO THE TRADE:
Having resumed operations at the Factory, we are now prepared to take orders for prompt shipment, and solicit a continuance of your favors. Mr. W. F. Brainerd is still with us, and orders for our goods are received only through him or direct at our New York office, 111 Chambers Street. Catalogue of our full line of Brass and Bronze Hardware will be sent to any address. Respectfully,
FRANKLIN BRASS & BRONZE CO.
E. DeFOREST SHELTON, Temp. Receiver.

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Philip Wallach, who kept a small Hardware store at No. 1084 Third Avenue, New York, was found dead there from gas asphyxiation at five o'clock some mornings ago. He lived with his wife in the rear of the store. The wife retired early, leaving her husband in an adjoining room. She awoke at five o'clock and found that he had not gone to bed. Then she went into the other room and found him lying on a lounge. The gas was turned on, and the man was unconscious Mrs. Wallach called in a physician. Efforts to revive the man were of no avail. Mrs. Wallach said she knew of no reason why her husband should have killed himself, if he did.

The Magic Introduction Co., No. 371 Broadway, New York, are pushing with considerable success Lustronape, which is a specially prepared cloth for the removal and prevention of rust upon gold, silver, brass and plated-ware. It is used as an ordinary cloth, and will dry the table silver in place of an ordinary towel. Does not soil the fingers or clothes, and will not scratch. It is prepared in sheets 9x24 inches, each piece put up in an envelope with directions for use, and retails at 10 cents; trade price sample dozen, 87 cents; $9 per gross.

The plant of the Buffalo Brass Works at Depew, N. Y., was destroyed by fire some evenings since. The fire was discovered at 7:30 o'clock, and although the firemen worked hard to get control of the flames, their efforts were without avail, and at 9 o'clock the whole building was in ruins. The origin of the fire is a mystery.

Hadlock, Whitcomb & Co., saddlery, Hardware and harness dealers, No. 97 Crown Street, New Haven, Conn., have filed a voluntary assignment. The liabilities are estimated at $10,000 and the assets $12,000.

The Charles A. Wood Co., dealers in builders' supplies, Cleveland, Ohio, made an assignment recently. The assets of the company were $110,000 and the liabilities $70,000.

The Malleable Iron Fittings Co., Branford, Conn., have placed the contract for their new foundry building with the Berlin Iron Bridge Co., East Berlin, Conn.

The rolling mills of the Illinois Steel Co., at Joliet, Ill., are running at full blast giving employment to 1000 men.

Situations Wanted.

WANTED a position as clerk or salesman. Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No. 143 Chambers Street, New York.

BUILDERS' and General Hardware and Rubber Goods.—Young man (34) with twelve years' experience and good executive ability, desires position. Thorough Bookkeeper, Correspondent, Salesman and Buyer. At present on the road. Competent to act as Manager or Agent for a reliable firm, as he is well known to the New York, Philadelphia and Eastern buyers. Address "Cyclist," care HARDWARE, No. 143 Chambers Street, New York.



THE SAMUEL I. GOODALL CO.,
MANUFACTURERS OF
Bailey Pattern Planes, Try Squares Bevels, Etc.
Philadelphia, Pa., U. S. A.





HEATH PUMPS.
Have you ever tried one with a
Universal Coupling?
Fits any Valve---Lasts a Lifetime.
All reliable dealers sell the genuine HEATH PUMPS.
S. F. HEATH CYCLE CO.,
ELASTIC TIP CO., Boston, N. E. Agts. MANUFACTURERS, Minneapolis, Minn.



Howard Iron Works,
BUFFALO. N. Y.
Manufacturers of
Bench Vises.
Price Lists sent on application.

FAITH
—IN—
ADVERTISING
contributes to success, without faith you will be blind to good results.
Advertise in
HARDWARE.

Making Money
Selling bicycles depends upon the repairs.
The *less repairs*, the *more profit* to the hardware dealer.
The Sterling
(Built like a watch.)
is the *only* wheel that never needs repairs.
Send for Catalogue.
STERLING CYCLE WORKS,
236-240 Carroll Ave.,
CHICAGO.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES
SOLD BY ALL DEALERS.
INDISPENSABLE TO WHEELMEN.
Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.
Send for Catalogue.
C H. LAMSON, Portland, Me

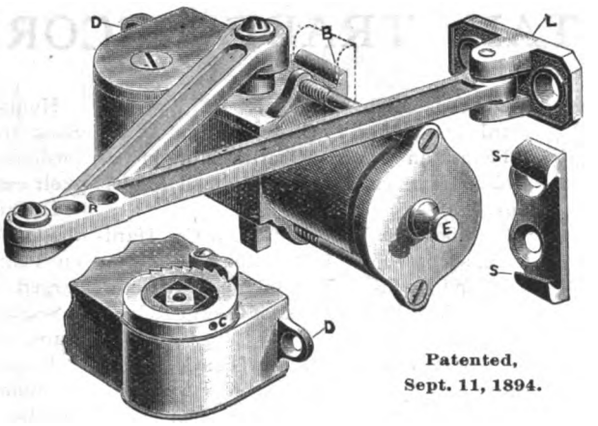
Any size or style. Send for Catalogue.
Special Discount to the Hardware Trade.
BOSTON GEAR WORKS
42 Hartford Street,
(FRANK BURGESS, PROPRIETOR.) Boston, Mass.

IMPROVED
Tack, Shoe and Wire Nail
MACHINERY,
KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS.

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THE ROYAL DOOR CHECK AND SPRING.

The Latest, Cheapest, Best.



Patented, Sept. 11, 1894.

Simple, Compact, Strong, Durable.

The ***Royal*** has a ***compressed air check.*** No liquids to freeze up or leak. Doors open easily. No back suction. Easiest attachment. Does not require a skilled mechanic to put them on. Improved ratchet for increasing tension on spring. Will fit right or left-hand doors.

PRICE-LIST:

	BRONZED.
No. 1, for Light Screen Doors	each, $2.40
No. 2, for Medium Inside Doors	" 3.30
No. 3, for Large Inside or Small Store Doors	" 4.30
No. 4, for Large Store or Vestibule Doors	" 5.60
No. 5, for Extra Large Doors	" 7.00

Packed One Dozen in a Case. Write for Trade Discounts

DIRECTIONS.

Place the shoe (S) in an upright position on the door, about six inches from back and flush with the top; *fasten securely;* slide the check into the shoe until the lugs (B) fit solid, then put in the end-screw (D). Bring arm (L) down to the transom-rail till it rests firmly, then put in the screws and the spring is ready for adjustment.

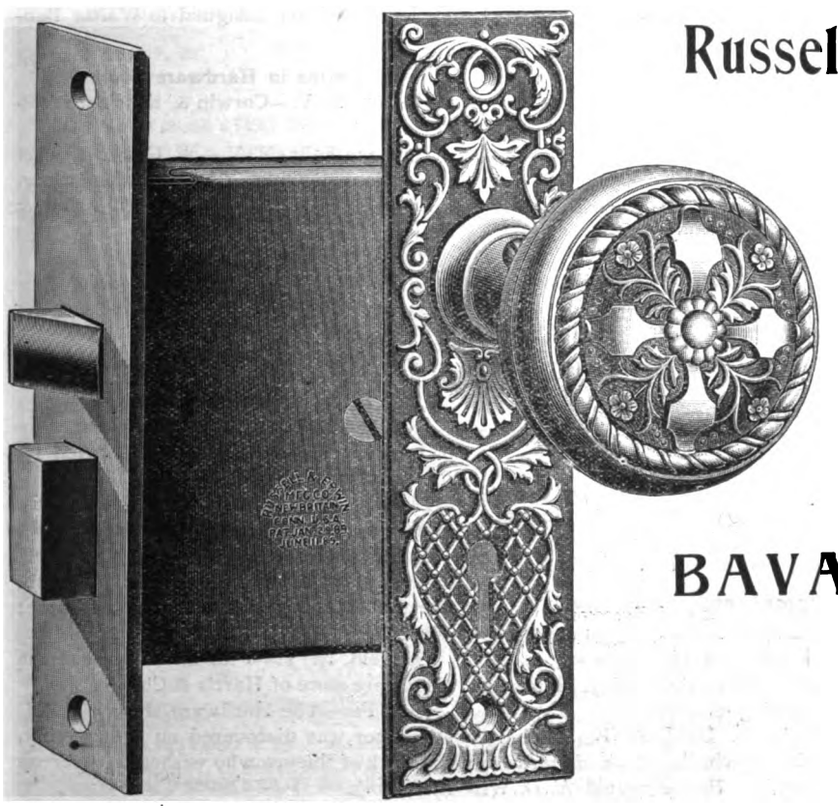
HOW TO ADJUST IT.

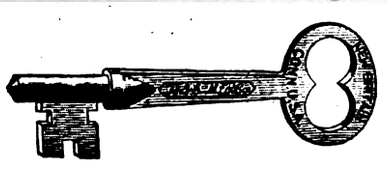
The thumb-screw (E) regulates the air check. A very slight turn changes the result. If the door slams, tighten it up. If it checks too soon, loosen it. It should check about three inches from the closing. If the spring is weak, increase the tension by turning up the ratchet-wheel (C) one cog. Care should be taken that the spring is not made too strong. If the spring swings the door easily, it is strong enough. Regulate the closing by the screw (E). In case that the transom-rail has a raised moulding, shorten the arm (R) by changing it into the next hole. Also, in putting the arm on the pintle, see that it is *securely fastened* and *rigid.* The checks are reversible for right or left-hand doors by simply changing the arms from one side of the pintle to the other. Follow the above directions, and the spring will give good satisfaction.

W. H. QUINN & CO.,

General Agents. 108 Chambers St., New York.

TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.





Russell & Erwin Manufacturing Co.,

New Britain, Conn.,
New York,
Philadelphia,
Baltimore.

BAVARIAN



Bronze Metal
Set No 895.

Bronze Plated
Set No. 7895.

(Illustration Three-quarter Size.)

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Batavia, Ia.—Eliot Bros.
Crandall, Tex.—J. G. Crawford.
Des Moines, Ia.—Harry Seyfert.
Madison, N. Y.—Louis Fress.
Montello, Mass.—E. H. Waters.
New Brighton, Pa.—E. F. Hope.
North Abingdon, Mass.—Charles Higgins.
Riverside, Cal.—Thomas Glass & Sons.
Tiffin, Ohio.—Goetz & Runkle.
Wheeling, W. Va.—Green & Son.

Record of Changes.

Appleton, Wis.—John F. Rose has retired from the Hardware firm of Bailey & Rose. The business will be continued by D. B. Bailey.

Bartow, Fla.—Stow & Hallman, Hardware, dissolved partnership; business will be carried on by R. E. Stow.

Bedford, Tex.—Henly & Barr, Hardware, stock purchased by John Barr.

Burnt Hills, N. Y.—Frank J. Hall, stoves and tinware, has sold his business to Frank Wheeler.

Coleman, Tex.—Dibrell Bros. & Newcom, Hardware, J. C. Dibrell and W. H. Newcom have purchased interest of F. A. Dibrell.

Concord, N. H.—Geo. W. Britton of Newport, has purchased the interest of the late F. H. Scribner, in the Hardware store of Scribner & Britton, and business will be continued under the firm name of A. H. Britton & Co.

Cookeville, Tenn.—Nichols & Ford, Hardware, dissolved partnership, T. D. Ford continuing the business.'

Coquille, Ore.—John Kronenberg & Son, Hardware, reported sold to Lamb & Nossler.

Cuero, Tex.—Louis Keller, dealer in house-furnishing goods, lamps, etc., has given up and sold out his grocery department, and replaced it by a complete stock of stoves and ranges. He is also enlarging his house-furnishing department. He occupies two large stores, and is doing a safe and successful business.

Iowa, Tex.—Kerr & Hunt, Hardware dealers, have dissolved partnership, S. F. Kerr continuing the business.

Johnson City, Tenn.—Lide & Odom, Hardware, etc., stock purchased by W. M. Adams & Co., who will continue the business.

Malmo, Neb.—Kastl & Potadle, Hardware, reported succeeded by Kastl Bros.

Marshfield, Wis.—Sheerin & Williams, Hardware, now C. S. Sheerin.

Melbourne, Ark.—Landers & Co., Hardware, succeeded by E. G. Landers.

New Bedford, Mass.—Otheman & Dunham, dealers in Hardware, etc., have dissolved, Mr. Otheman having sold out to his partner, and will retire. Mr. Dunham will continue the business.

Newburgh, N. Y.—Philip Scharbauer, of South Bethlehem, and Tennis H. Sargent of Albany, have formed a partnership and will engage in the Hardware business, having bought out R. C. Dickey.

Owosso, Mich. — Francis M. Wheeler, Hardware, sold to F. C. Achard.

Penn Yan, N. Y.—Charles Morgan has sold his Hardware store to Kimball & Worrick.

Plainfield, N. J.—J. P. Laire & Co., Hardware, succeeded by J. P. Laire.

Poland N. Y.—John Lankton, Hardware, has purchased the business of George Relyea, of Utica.

Quanah, Tex.—W. G. Lewis & Co., Hardware, C. J. Green's interest sold to W. G. Lewis, who will succeed to the business.

Rector, Ark.—J. H. Trantham, Hardware, stock purchased by Isaac Lesem & Co.

Reynoldsville, Pa.—Scott McClelland and E. D. Seeley, have sold their interests in the Reynoldsville Hardware Co. to Francis Smith and Thos. McClure, of the Beechwoods.

San Saba, Tex.—T. M. Gray & J. M. Withite, Hardware, have formed a partnership, to be known as Gray & Withite.

Santa Maria, Cal.—Miller & May, Hardware, reported succeeded by John C. May.

Shell Rock, Iowa.—James A. Graham has bought a half interest in the Hardware store with his brother, W. H. Graham, and will remain here for the present.

Springvale, N. H.—Clarence Butler, of the firm of Ross & Butler Hardware dealers. sold interest to Lorenzo P. Webber, of Shapleigh.

Tabor, Iowa.—West & Savage, Hardware dealers, have disposed of their stock to H. R. Laird.

Titusville, Fla.—Ray & Day have sold their Hardware business to Sam. Hoppersett, who will continue the business at this place.

Utica, N. Y.—Lankton & Seavey, Hardware, business will be conducted hereafter by Mr. Seavey.

Warrensburgh, N. Y.—Wilson J. Hall has purchased the Hardware business of Jenkins & Mosher, and will contine the business at the same place.

West Point, Neb. — Lee & Chubbick, Hardware, succeeded by H. J. Lee.

Wetmore, Kans.—R. F. Ferrell, Hardware, etc., reported sold to Isaacson, Powers & Co.

Willis, Ind. Ter.—Willis & Thompson, Hardware, etc., reported succeeded by H. Willis.

Winters, Cal.—Robert Morrison, Hardware, F. W. Wilson admitted to the firm.

Yoakum, Tex.—J. H. Clare & Co., Hardware, succeeded by J. H. Clare.

Improvements and Removals

Clarks Summit, Pa.—The ground is broken for S. C. Koons' new Hardware store.

Clarksville, Ark.—C. C. May, Hardware, removed to Wagner, Ind. Ter.

Clear Lake, S. Dak.—A. F. Ramharter has moved here with his stock of Hardware from Columbia. He has rented A. D. Williams' building, and will begin business in a few days.

Hastings, Minn.—King & Emery have moved into their new Hardware store, the Stanley building, on Second Street, dimensions 20x120 feet, three stories high.

Huntsville, Ala.—Van Valkenburg & Sons, Hardware, etc., will erect a four story business block, to be mainly occupied by their extensive business.

La Crosse, Wis.—Adam Kroner is putting the finishing touches on his Hardware store on Pearl Street, which has just been enlarged.

Selma, Ark.—R. W. Harrell & Son, Hardware, etc., have removed to Filler, Ark.

Tolomo, Ill.—Rock is on the ground for the foundation of W. H. Jaques & Sons new Hardware store.

Vesta, Neb.—Mr. Fuller has moved his Hardware stock from Verdon here.

West Rutland, Vt.—R. H. Watkins is making arrangements to move his Hardware store into the Kidder block, corner of Marble and Smith Streets.

Business Embarrassments.

Athens, Ohio.—G. W. Ullom, dealer in Hardware, has assigned to Frank E. Goldsberry.

Billings, Mont.—The Williston Hardware Co. have assigned.

Franklin, Mass.—William D. Huntoon, Hardware dealer, has made an assignment to Henry E. Ruggles, for the benefit of his creditors.

Galveston, Tex.—T. J. Rock, Hardware, has made an assignment; liabilities $6400. Charles Juneman, assignee.

Loami, Ill.—Alex. L. Ferguson, Hardware dealer, has assigned to Jos. Jones. Assets, $690; liabilities, $713.

Richmond, Ky.—The Hardware firm of Farley Bros. have assigned to Walter Bennett.

Burglaries in Hardware Stores.

Goshen, N. Y.—Corwin & Kniffen, revolvers.

Honeoye Falls, N. Y.—W. G. Starr, $75.

Middletown, Ohio.—M. B. Hatch, cutlery.

Rhinebeck, N. Y.— J. Howard Asher & Co., cutlery.

Rushville, Ind.—Havens & Riggs, $90.

Shelton, Conn.—D. W. Clark, $200.

Shubert, Neb.—E. W. Minshall, $100.

Urbana, Ill.— Henry Trevett, cutlery.

West Point, Ia.—Link & Conlee, $10.

Fires in Hardware Stores.

Horseheads, N. Y.—The Hardware store of Lovell & Hibbard has been destroyed by fire. Fully insured.

Lincoln Center, Kans.—A. W. Thompson's Hardware store has been destroyed by fire.

Lorimer, Iowa.—Orr Bros, Hardware, damaged by fire to the extent of $8000; Clayton Anderson, damaged to the extent of $2000.

Oakfield, N. Y.—Fire has destroyed the Hardware store of Harris & Chapin.

Olin, Pa.—The Hardware store of L. M. Carpenter was discovered on fire recently, the work of thieves who wished to cover up their work.

Shelburne Falls, Mass.—The Hardware store of Herbert Newell has been damaged by fire, to the extent of $6000; fully insured.

Sherman, Mich.—The Hardware store of B. H. Rose was destroyed by fire, caused by the building being struck by lightning.

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YOU CAN ALWAYS TELL

which bicycle is the most popular, most satisfactory, most pleasing to the fastidious eye, and the keenest competitor, by what its business competitors say about it. The dealer

WHO IS HURT BY

such competition as our customers are able to put with our line of **New Clippers**, generally tells you that **Clippers** are "no good," they "run hard," are "ice wagons," etc., etc. We have been

NOTICING WHO HOLLERS

lately; its those who can't find a better line to compete with those "ice wagons"; they hurt because they stand up and give satisfaction. If you want a Bicycle Built for Business, just try a **New Clipper** before you buy. We'll be willing to submit to your unprejudiced judgment.

Bicycles Built for Business.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. **NEW YORK.**

SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.

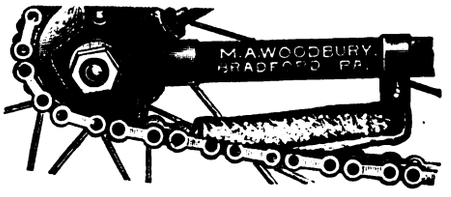
SHOOT BLUE ROCKS.

You cannot do so unless you have a good trap and Electric pull. ∴ ∴ ∴

Our export trap and electric pull fills the bill. For sale by all Jobbers.



The Cleveland Target Co.
CLEVELAND, OHIO.



WOODBURY'S

Automatic Dry Chain Lubricator and Duster for Bicycles

—HAS NO EQUAL.—

Weight, ½ oz. **Price, 25 cents.**



HOUSES OF Good Business Standing DESIRED AS AGENTS.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPH, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are . . . . . .

$75.00
$60.00
$50.00
$40.00

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.
Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Brooklyn, N. Y.—The Brooklyn Union Cycle Co. have opened for business, corner of Flatbush Avenue and St. Marks Place. This is a branch of Hodgkins & Co., No. 300 Broadway, New York, and is under the management of W. H. Webster.

Cape Girardeau, Mo.—J. F. Vogelsanger, Hardware, bicycles, etc., opened new store.

Charleston, S. C.—The Miller Hardware Co., incorporated by D. Miller, B. Miller and Q. S. D. Hayward. Capital stock, $25,000. A bicycle department will be added.

Collinsville, Ill.—The Kirschbaum Hardware Co. has been incorporated, and will add a bicycle department.

Decatur, Ala.—William Tucker opened new Hardware store. Will take up bicycles.

Dundee, Mich.—J. A. Spaulding, of Belleville, Mich., Hardware, bicycles, etc., opened new store.

Fairmont, Minn.—E. F. Follette & Co., bicycles, etc., new firm commenced business.

Fenton, La.—S. J. Fenton & Sons, Hardware, bicycles, etc., new firm commenced business.

Gallatin, Tenn.—J. B. & A. B. Bright, bicycles, etc., new firm commenced business.

Gardner, Mass.—E. B. Rines, bicycles, has opened business at No. 172 Central Street.

Greenfield, Mass.—The Eddy Mfg. Co. (C. F. A. Eddy, principal promoter) will commence the manufacture of bicycles from a new model designed by Mr. Eddy. The new concern will also handle bicycles of other makes.

Janesville, Wis.—J. C. Shuler, bicycles, is preparing to commence the manufacture of bicycles, from a patent recently received by him. The machine will be known as the Extra Bulletin.

Princeton, Wis.—O. J. Weiss, bicycles, has opened new store.

Quebec, Can.—The V. & B. Sporting Goods Co. has been incorporated by George VanFelson, Lewis Breneau, Arthur Picard, Bernard Leonard, Thomas Davidson, Walter J. Ray and David Watson, to do a general sporting goods business. Capital stock, $20,000.

St. Louis, Mo.—Humber & Co., English bicycle manufacturers, have established branch office in St. Louis.

St. Louis, Mo.—The Randolph-Heckel Hardware Co. has been incorporated by P. J. Randolph, George P. Heckel and Charles Sultz. Capital stock, $75,000. The new company will take up bicycles.

Syracuse, N. Y.—The Stoddard Sulky Co. is preparing to commence the manufacture of pneumatic tires for bicycles.

Tippecanoe, Ohio.—Charles TenEyck, grocer, opened bicycle department and repair shop.

Vulcan, Mich.—Ed. L. Parmenter, bicycles, commenced business, having been given the agency for the Crescent bicycle.

Changes and Removals.

Brooklyn, N. Y.—Shepherd & Shepherd, bicycles, reported to have dissolved partnership, Irving R. Shepherd continuing the business.

Ethel, Ark.—Turner & McSwayne, Hardware, bicycles, etc., succeeded by Nicholson & Nicholson.

Hampton, Ky.—Hardy & Warten, Hardware, bicycles, etc., reported sold out.

Hornellsville, N. Y.—Baldwin & Kernan, bicycles, etc., succeeded by C. H. Baldwin.

Jacksonville, Fla.—George M. Adams, bicycles, reported to have sold out.

Keswick, Iowa.—James Morgan, bicycles, etc., sold out to P. J. Hungerford.

Milton, Wis.—E. S. Babcock, bicycles, will remove business to Featherstone's Mill, where he will add the manufacture of punch and shear machines.

Milwaukee, Wis.—D. D. Warner & Co. have been succeeded by an incorporation, under the name of the D. D. Warner Co., of which D. D. Warner is president; B. W. Park, vice-president; C. B. Chapman, secretary; L. P. Holmes, treasurer. The company will double its capacity for handling bicycles.

San Diego, Cal.—C. H. Edwards Cycle Co., sold out business to Tibbals, Hannahs & Cobb. The business will be removed to No. 1130 Fourth Street.

Spokane, Wash.—The Spokane Hardware Co. have succeeded Park, Lacy & Co., and will add a bicycle department.

St. Louis, Mo.—Corfe & Duff Cycle Co. has been reorganized under the title of C. T. Duff & Co.

Waukesha, Wis.—Lau & Ferguson, bicycles, reported sold out to S. J. Seabury.

Wetmore, Kan.—R. F. Ferrell, Hardware, bicycles, etc., succeeded by Isaacson, Powers & Co.

Wichita, Kan.—Ross E. Miller & Co., bicycles, reported as having gone out of business.

New Goods and Improvements.

Burlington, Vt.—The G. S. Blodgett Co. are putting on the market a special bicycle japanning equipment.

Buffalo, N. Y.—The Buffalo Scale Co. are putting on the market the improved scale for determining correctly the weight of bicycles.

Chicago, Ill.—Allerton Lubricant Co., No. 710 Old Colony building, are putting on the market a new bicycle chain lubricant.

Chicago, Ill.—Chicago Solidified Oil Co., No. 56 Fifth Avenue, are placing on the market Bond's Bicycle Lubricant. The Eastern agents are the C. F. Guyon Co., No. 97 Chambers Street, New York.

Chicago, Ill.—The Monarch Cycle Co. purchased site on North Halstead Street, and will erect an eight-story addition to their factory.

Freeport, Ill.—L. M. Devore & Co. are putting on the market an improved trousers guard for bicycle riders.

Indianapolis, Ind.—The Indiana Bicycle Co., granted building permit for the erection of factory building and warehouse. The two buildings to cost $6000.

New York, N. Y.—Betts Patent Head Light Co., at No. 10 Warren Street, is placing on the market an improved bicycle headlight.

New York, N. Y.—Robert H. Ingersoll & Bro., at No. 65 Cortlandt Street, have introduced the Climax Bicycle Watch and Holder.

Orlando, Fla.—L. Stebbins has invented an improved tricycle, and a company will probably be organized to put it on the market.

San Diego, Cal.—George T. Lemon & Co., bicycles, and agents for the Phœnix, report business good, and are enlarging their repair shops to keep pace with increasing trade.

Correspondence Solicited.

Braidentown, Fla.—W. C. & G. H. Watts, Hardware, new store opened. Will accept agency for bicycles, and invite propositions from manufacturers.

Ellisburg, N. Y.—C. A. Messenger and L. D. Huffstater have organized new firm, and will accept agency for bicycle. Correspondence with manufacturers of wheels and sundries invited.

Hutchinson, Minn.—W. E. Swright is preparing to open a Hardware store, and will take up bicycles. Correspondence invited with manufacturers of wheels and sundries.

Jerome, Ariz.—Theodore Phillips, Hardware, bicycles, etc., has commenced business. Propositions from the manufacturers of bicycles and sundries solicited.

Stanton, Mich.—S. I. Briggs, Hardware, etc., opened new store, and will take up bicycles. Correspondence with manufacturers of wheels and sundries invited.

Miscellaneous.

Cambridge, Mass.—The Wood Cycle Co. sustained a fire loss of $10,000 on May 23rd, covered by insurance.

Kenosha, Wis.—Negotiations are pending, looking to the removal of a bicycle factory to this place.

Norfolk, Neb.—Negotiations are pending, looking to the establishment of a bicycle factory. A bonus is being raised for this purpose.

Toledo, Ohio.—Toledo Bicycle Co., Titus B. Terry, receiver, filed report of their receipts and expenditures since May 19th. The last report of the receiver showed there was in his hands the sum of $9,941.06. Since then he has collected, including $10,350, less commission of $250, the amount of the sale of thirteen bonds of the Toledo Electric Co., the sum of $34,943.98. He has paid out the sum of $42,013, and has still in his hands awaiting the order of the court the sum of $2,877.04.

Williamsport, Pa.—The Demorest Mfg. Co. report increasing demand for their make of bicycles, and say that they have booked orders for 20,000 wheels for 1896 delivery.

Wilmington, N. C.—The Gleaves Hardware Co., Hardware, bicycles, etc. The affairs of the company have been declared settled, and the court has discharged the receiver.

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CHAS. WEILAND,

IMPORTER AND JOBBER,

Hardware & Cutlery,

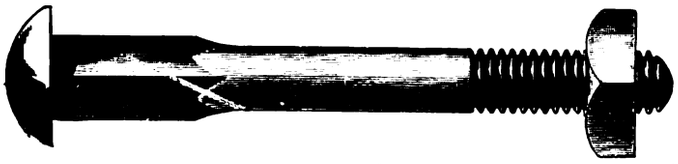
149 Chambers Street,

NEW YORK.

Special Low Prices on all Good Goods.

FIRST QUALITY CARRIAGE BOLTS, Phila. pat.

With forged nuts and finished points, turned polished heads, made by P. S. & W. Co. Heads being a little rusty, otherwise good goods.

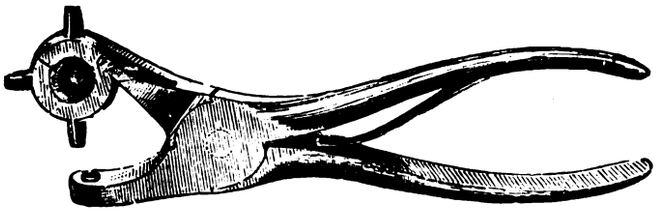


Price,	20	30	32	36	37	40
Size,	¼-1	2½	3¼	3½	3¾	4¼
Price,	42	44	46	47	48	49
Size,	¼-4½	4¾	5	5¼	5½	5¾
Price,	50	52	54	55		
Size,	¼-6	6½	6¾	7		
Price,	21	22	25	43	44	49
Size,	5-16-1	1¼	2	4½	4¾	5½
Price,	50	51	52	55	56	58
Size,	5-16-5¾	6	6¼	6¾	7	7½

Price,	—	59	60	61	62	
Size,	5-16	8	8½	9	10	
Price,	25	27	30	32	55	60
Size,	⅜-1	1¼	1¾	2	3½	4¾
Price,	65	80	85	86	87	90
Size,	⅜-5	5¾	6	6¼	6½	6¾
Price,	92	93	94	95	96	97
Size,	⅜-7	7½	8	8½	9	9½
Price,	98	99	1.00			
Size,	⅜-10	11	12			

4 TUBE SADDLERS' PUNCHES.

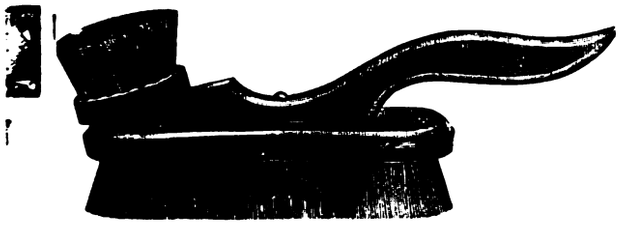
Latest Style.



First quality goods, at $4.00 per doz.

HANDLED SHOE BRUSH.

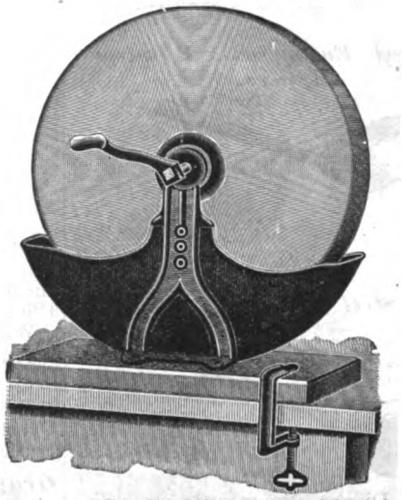
Very long stock, 1⅛ inch, first quality goods, black out-



side bristle, colored centre. Very showy brush. Regular 25 cent article.

Price, $1.25 per doz, or $13.50 per gross.

JOB LOT FAMILY GRINDSTONES.



First quality goods. Family Grindstones with plain, hard wood base boards, with clamp and stone polished, same as other manufacturers make. Price, in lots of 1 doz. or more, 8 in. at $1.50 per doz. The above Grindstones are a big bargain, and good selling goods for the holidays; they are a regular $1 article.

BALL PEIN HAMMERS, SOLID STEEL.

Good Seconds. No cracked faces. Each hammer neatly labeled.



Nos.	3	4	5	6	7	8
Size,	10 oz.	12 oz.	1 lb.	1 lb. 4 oz.	1 lb. 8 oz.	1 lb. 12 oz.
Price, per doz.,	$2.00	$2.25	$2.50	$2.60	$2.70	$2.80

The above prices are all net cash, no charge for cases or packing. Send me a mail order at once from the above goods. I also have a Catalogue of a full line of Hardware, Cutlery, and House-Furnishing goods.

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CHAS. WEILAND,

Importer and Jobber,

Hardware and Cutlery,

149 CHAMBERS STREET,

NEW YORK.

Have just received the following GRAY STEEL ENAMELED WARE, equal to first quality. Will be sold without allowance for manufacturers' imperfections. This is one of the best lots, and at the LOWEST PRICES, I ever offered before.

Gray Steel Enameled Seamless Convex Milk or Rice Boilers.

Best Size.



Nos.	53
Inches.	6x4½
Quarts, inside boiler.	2
With tin covers, per doz.	$4.75

Gray Fish Kettles, at 90c. each, 16 and 18 inch. Must sell, assorted.

Gray Steel Enameled "Windsor" Dippers.



Nos.	112
Inches.	5½x3
Per doz	$1.85

Steel Gray Ware.



Gray Cocoa Dippers, No. 55, at $1.45 per doz.

Gray Steel Enameled Tea Kettles.

(Flat Bottoms.)



Nos.	6	7	8
Quarts,	4	5	6
Per doz.,	$5.50	$6.00	$6.50

Gray Coffee Pots, Granite.



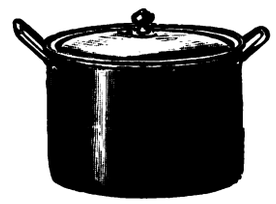
No. 35, 3 quarts, at,	$4.25 per doz.
No. 45, 4 quarts, at,	$4.50 per doz.
No. 55, 5 quarts, at,	$5.00 per doz.

Gray Granite Tea Pots.

No. 40, 4 quarts, at, . . . $4.50 per doz.

Gray Steel Enameled Straight Sauce Pots.

(Seamless, with two Side Handles.)

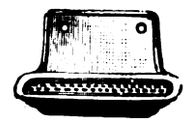


Nos.	60	70
Quarts,	1½	2
Inches,	5½x3¾	6x4
Price, per doz., With tin covers.	$1.75	$2.00

Gray Steel Enameled Tea Pots, With Enameled Covers.

Nos.	011	012	014
Quarts,	1½	2	4
Per doz.	$2.85	$3.10	$3.70

Gray Steel Enameled Soap Dishes, Oblong.



No.	60
Inches.	6½x4x1½
Per doz.	$1.20

Gray Steel Enam'd Chamber Pails.

No.	3
Quarts.	12
Per doz	$7.20

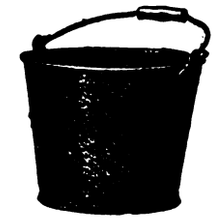
Steel Enameled Oval Butter Kettles. (Seamed Gray.)



No.	1
Inches.	9½x7¼x5
With enameled covers, per doz.,	$4.50

Steel Enameled Water Pails.

(Seamless Gray.)



No.	110
Quarts.	10
Inches.	8x10
Per doz.	$4.25

Gray Coffee Flasks.



No.	10
Pints.	1½
Per doz.	$1.90

Gray Steel Enameled Buckets, Seamed.

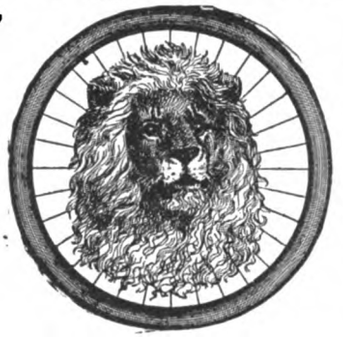


Quarts, 1, in. 5x3¾, with tin covers, per doz. $1.40.

The above prices are all net cash, no charge for cases or packing. Send me a mail order at once, from the above goods. I also have a Catalogue of full line of Hardware, Cutlery and House-Furnishing goods.

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IF YOU WILL ONLY EXAMINE "THE MONARCH"
YOU WILL TAKE THE AGENCY
FOR NO OTHER WHEEL.



WE ANTICIPATED THE UNPRECEDENTED DEMAND FOR

THE Monarch WHEELS,

AND HAVE NEVER FAILED TO SUPPLY THE TWO FAVORITES,

MODEL 9, 24 Pounds, $85.
MODEL 10, 22 Pounds, $100.
} *THEY LEAD THE WORLD.*

EASTERN BRANCH:
97 Chambers Street,
NEW YORK.

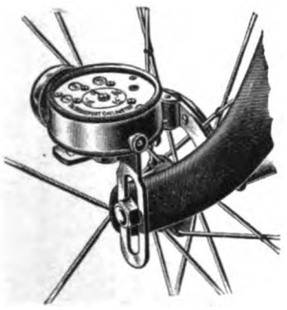
Monarch Cycle Mfg. Co.

C. F. GUYON CO., Ltd.
Managers.

RETAIL AGENTS:

NEW YORK { H. & D. FOLSOM ARMS CO., 314 Broadway.
E. A. BORRMAN, 44th Street and Lexington Avenue.
THE BOWLAND CYCLE CO., 2659 Third Avenue.

BROOKLYN { H. & D. FOLSOM ARMS CO., 1201 Bedford Avenue.
J. F. MARSTERS, 55 Court Street.
SHEPHERD & SHEPHERD, 26th Ward.



DING! THAT'S HOW THE BELL RINGS

On a Model "B"

BRIDGEPORT CYCLOMETER

At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

Rings a Bell at Every Mile.

FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

The Bridgeport Gun Implement Co.,
313-315 Broadway, New York.

No. 21. NICKEL SILVER SPOONS . . AND . . FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "HE Nickel Silver, No. 21."

MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

CYCLOMETERS.

AMERICAN INDICATOR CO.,

LAWRENCE, MASS.

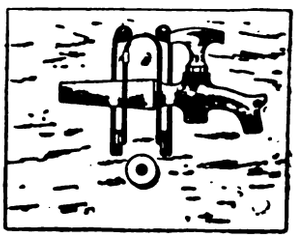
No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.

Descriptive circulars on request.

Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them.

Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON,
Monroe City, Mo.

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Shrewd Hardware Dealers

KNOW THE VALUE OF FINE STEEL OVER INFERIOR GRADES. . . . .

THE FRAMES OF

HELICAL TUBE PREMIERS

Are made of finer steel than can be used in any other bicycle, resulting in lighter wheels combined with greater strength. We are placing agencies with responsible parties only, and if there is no "Premier" agency in your town it will pay you to write us for catalogues and terms.

PREMIER CYCLE MANUFACTURING CO.,

34, 36 & 38 Watts Street, New York



When selecting a bicycle to represent during the coming season, consider ultimate results.

The "DORSETT" is here to stay. It represents every feature of the best wheels on the market with added points of novelty and merit that are bound to make it a "seller."

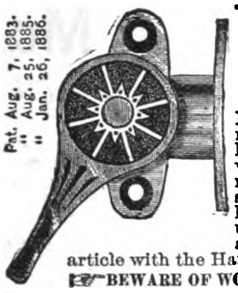
Interchangeable methods of cycle propulsion presented in the simplest and most efficient mechanical constructions, and perfectly independent of one another.

With the principles exhibited in a practical manner, and construction "special" in every part, the "DORSETT" represents the highest perfection in the art of bicycle making.

Send for catalogue which tells you all about details.

CYCLONE COMBINATION CYCLE CO., 309 BROADWAY, N. Y.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

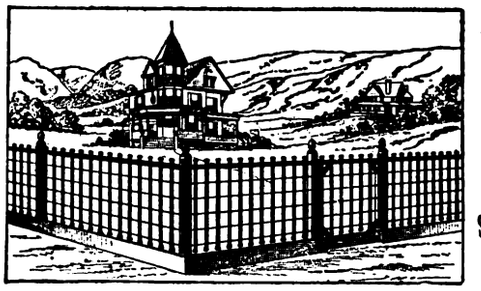
The Champion Safety Lock Co., Cleveland, O.





KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market.

Send for Illustrated Circular and price list.

Our '78 Apple Parer

is the most popular machine in the market. Get your orders in early.

Reading Hardware Company.

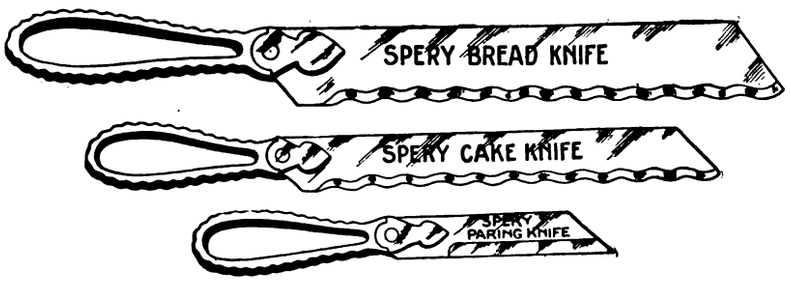
New York, 96 & 98 Reade St. **Philadelphia,** 514 Commerce St. **Chicago,** 78 Wabash Ave.

Factories, - - READING, PA.



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SPERY CUTLERY MFG. CO., - St. Louis, Mo.



We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street, DAVID EASTMAN, Manager.



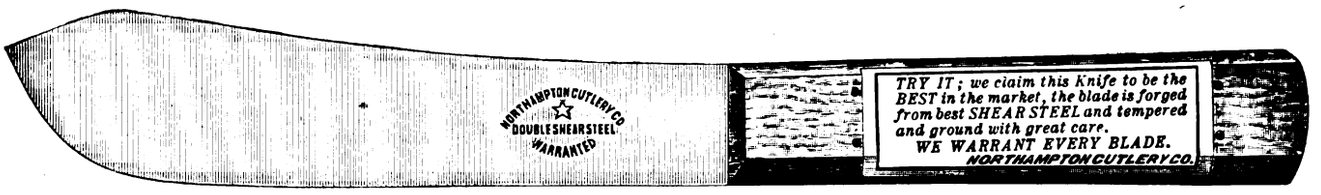
PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom. 96-98 Reade Street.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & Co., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY Co., CONTINENTAL CUTLERY Co., WALTHAM CUTLERY Co, ALEXANDER FRAZER & Co., JONES & Co.

ARE YOUR SCISSORS DULL?

THE "HANDY" SCISSORS SHARPENER



Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

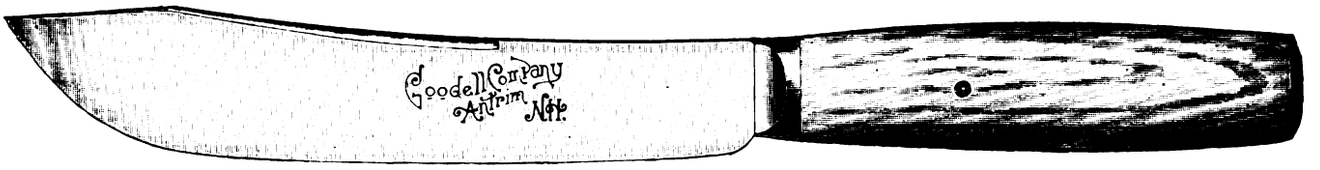
EASTMAN & CO., 64 Reade St., New York.

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GOODELL COMPANY, ANTRIM, N. H.

MANUFACTURERS OF

Table Knives in great variety, Butchers, Carvers, Shoe Knives.



IN FACT JUST ABOUT EVERY THING IN THE KNIFE LINE EXCEPT POCKETS. ALL FULLY WARRANTED. PRICES ARE LOW NOW

—AGENTS:—

The Alford & Berkele Co., 77 Chambers Street, New York City.
Henry Keidel & Co., 25 Hanover Street, Baltimore, Md.
G. W. Hodges, 708 Tacoma Building, Chicago, Ill.
M. G Rodearmel, 516 Boston Block, Minneapolis, Minn.
C. A. Maydwell, 23 Davis Street, San Francisco, Cal.



W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York. Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

High Grade American Cutlery.

EVERY BLADE
HAND-FORGED
FROM BAR STEEL
AND FULLY WARRANTED.

Elliott W. Langley, 74 Reade St., New York.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

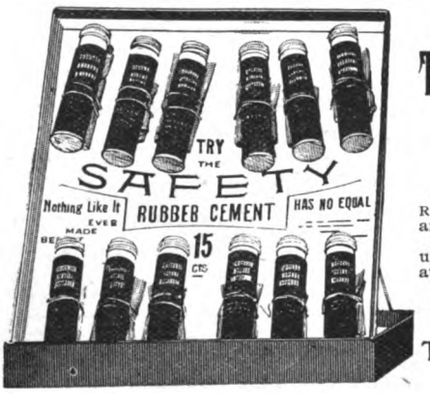
MAKERS OF

Hair Clippers

ALL KINDS UNDER THE
COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-



"A WINNER."

The Safety Rubber Cement Outfit.

EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.

The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of **15 cents.**

Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.

Highest awards at all Principal World's Fairs.



Two o the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted. If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.

THE WM. SCHOLLHORN CO.,
New Haven, Conn.



"Star" Straight Trimmer (Oval Pattern).

MANUFACTURERS OF
The Celebrated "Star Brand" Shears and Scissors, and "Elm City" Shears in large variety.

ALSO MANUFACTURERS OF
Bernard's Parallel Pliers
In all styles and sizes for various purposes.

"BEST QUALITY ONLY."

Marten Doscher,
DEPOT,
88 Chambers St., New York.

EDGE TOOLS,
G. W. Bradley's,
Horton's,
L. H. Watt's.
BENCH PLANES, &c.
Turned Work Handles, Mallets, &c.

ESTABLISHED, 1835. INCORPORATED, 1891.

R. HEINISCH'S SONS CO., NEWARK, N. J.
New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.
We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

WITH THIS NEW
Garden Cultivator

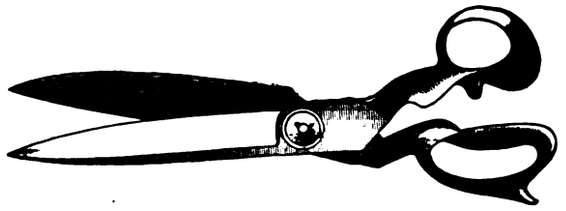


A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG, CO., ROCK FALLS, ILL

THE WISS SHEARS AND SCISSORS.
Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence
FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

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Our Latest is the Ormonde



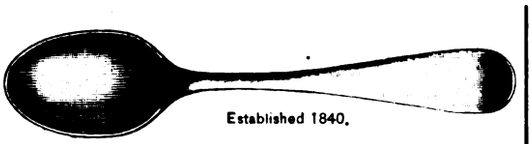
And bears the TRADE MARK ROGERS TRADE MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

—FACTORIES:—

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

NEW ENGLAND SPECIALTY CO., - **NORTH EASTON, MASS.**
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

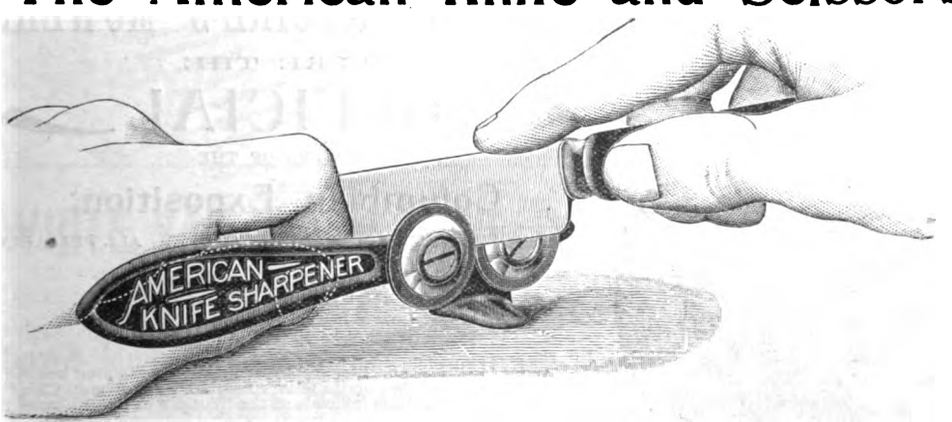
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So can you!!

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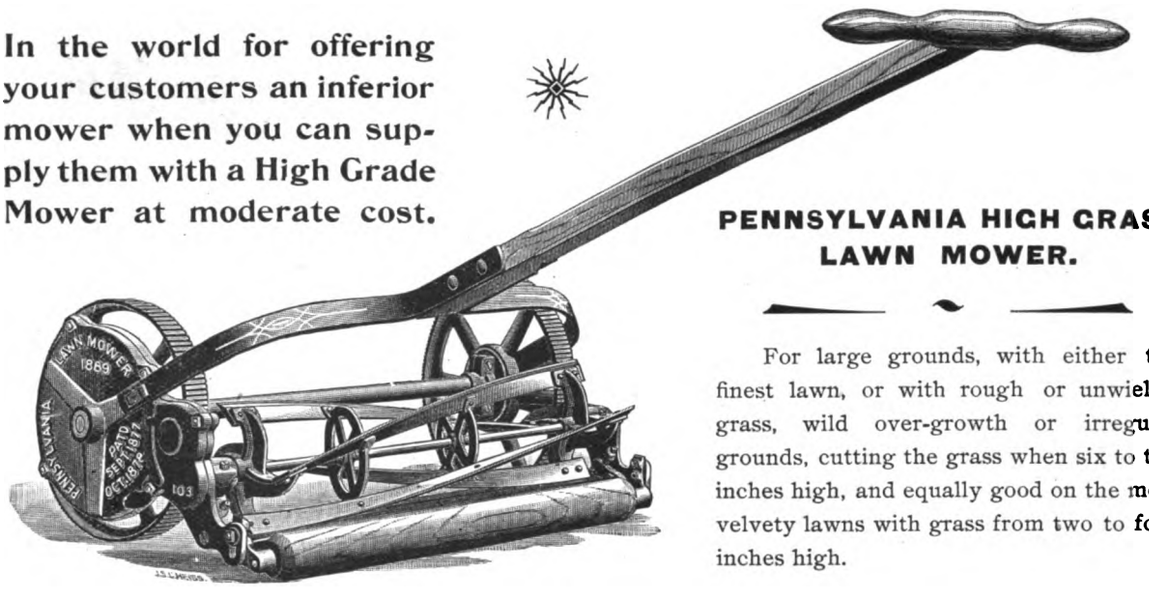
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For large grounds, with either the finest lawn, or with rough or unwieldy grass, wild over-growth or irregular grounds, cutting the grass when six to ten inches high, and equally good on the most velvety lawns with grass from two to four inches high.

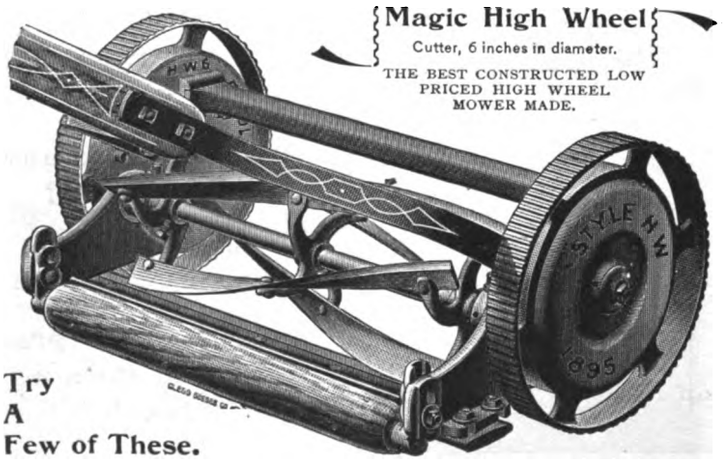
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Magic High Wheel
Cutter, 6 inches in diameter.
THE BEST CONSTRUCTED LOW PRICED HIGH WHEEL MOWER MADE.

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SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

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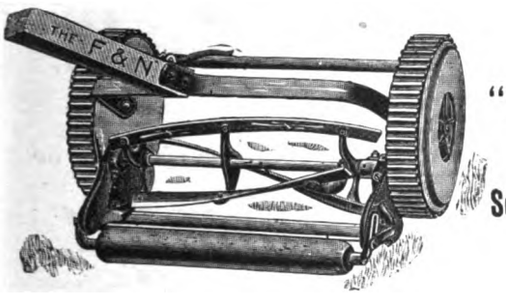
Overcome all objections. They are not clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They are strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the truss bottom holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him free, express charges unpaid, a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.

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Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

Line for 1895.

List Now Ready. Send for it.

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Dumb Waiters..... that don't keep you waiting.

Simple, smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

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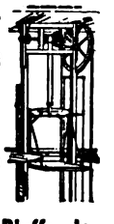
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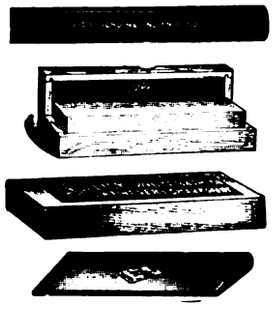
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That is why it is always economy to buy



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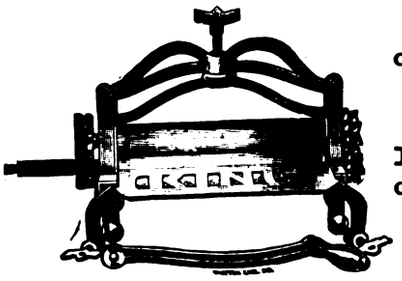
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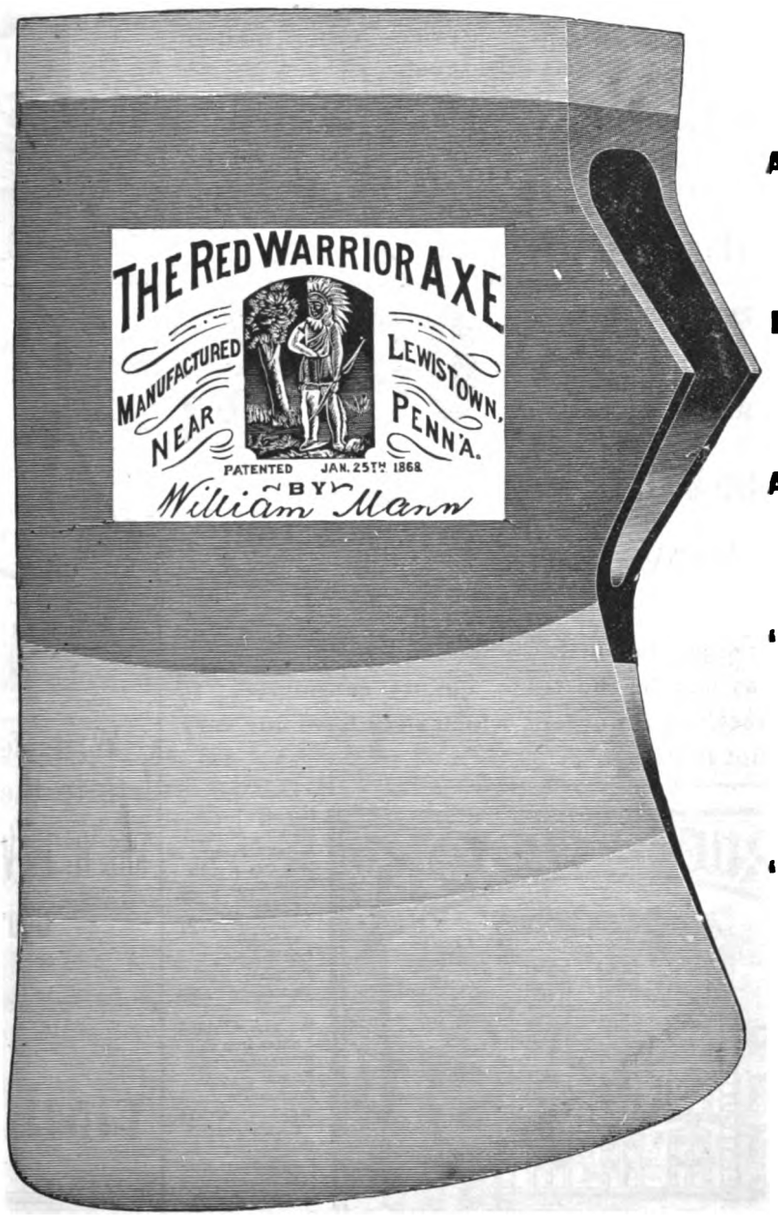
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Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

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TIME

WILL

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A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under like rock salt.

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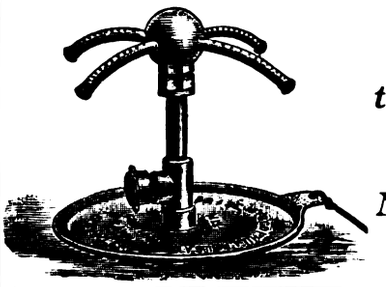


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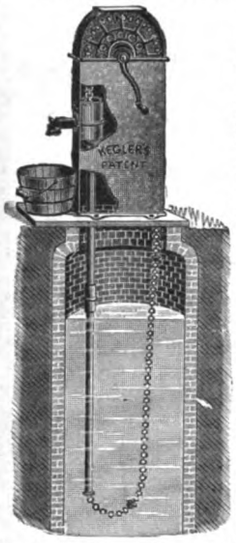
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Your water will always be clean and sweet if you use

KEGLER'S PATENT
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No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
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More Durability.
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Tubing is 12 times lighter than wet wood.
Can be attached to any curb.
The only satisfactory Tubing and Curb for Chainpumps.
Send for illustrated Catalogue.
Sole Manufacturers,

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MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS
TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



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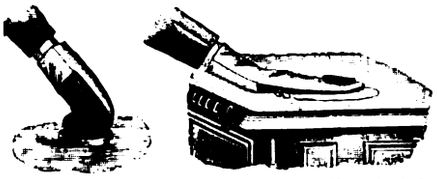


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A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

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Established, 1882. Capacity, 100,000 Tons.

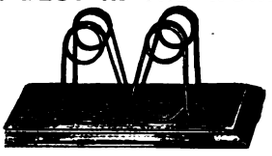
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OF EVERY DESCRIPTION,
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WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
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TO KEEP A BROOM
Use the **COMMON SENSE BROOM HOLDER.** It keeps a broom dry, keeps it in shape, keeps it from rotting. **Holds a Broom either end up.**
BEST IN THE WORLD.



"WIRE HANGERS."

12 STYLES FOR
Ladies and Gents Garments.
WRITE FOR PRICES TO THE
BARBER-KOENIG MFG. CO.,
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"Self-Closing" Tomato Vine Supports.



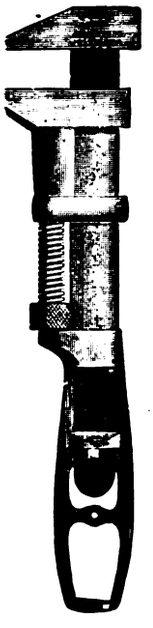
Cost little to get.
Nothing to keep.
Take little space for storage.
Prevent the tomato from rotting.
Allow it to ripen evenly.
Add to the appearance of the garden.

Write us for Prices and Catalogue.

We have other styles.



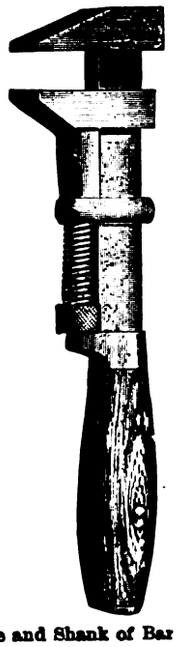
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LEWIS MFG. CO., UTICA, N. Y.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.

MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.



Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.

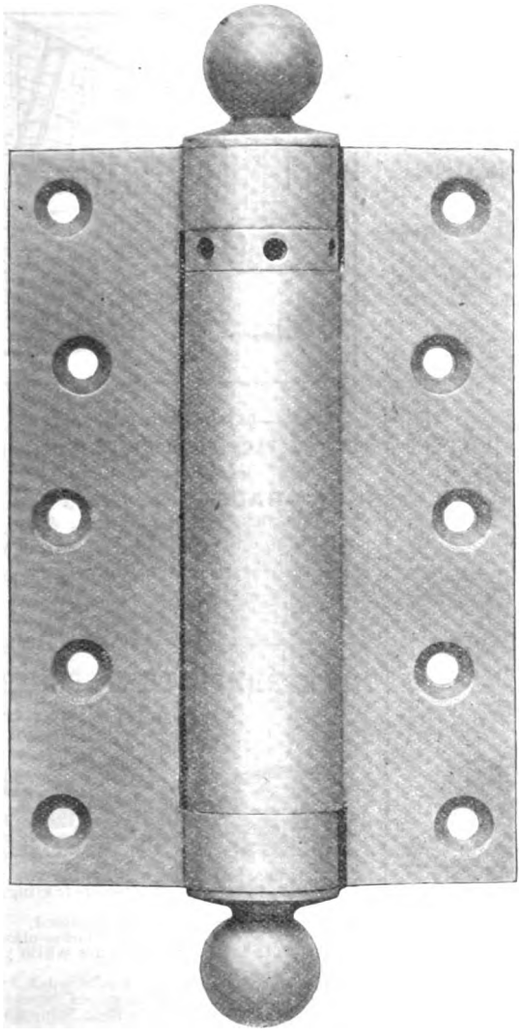
Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
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NORWALK LOCK CO.,

Manufacturers of

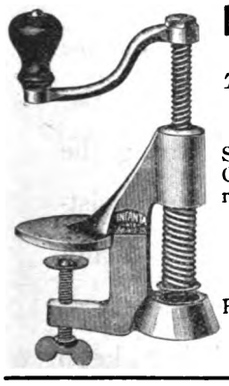
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THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

THE RAPID CORK PULLER

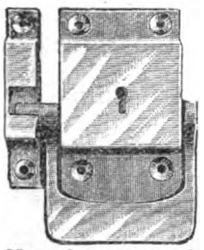
—AND—

RAPID LEMON SQUEEZER.

Best in the market. Send for circulars and prices.

MERIDEN, CONN., U. S. A.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easil with this Fastener than any in the market. The Fastener will tighten the door by the door closing It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

P. J. CONROY,

PHILADELPHIA PA.

Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
C. P. GOSS, Treasurer and Manager.

Scovill Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN

Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*



This Spring

we are making some valuable special offers to dealers who sell

BISSELL CARPET SWEEPERS

Write for Particulars.

BISSELL CARPET SWEEPER CO.

CARPET SWEEPERS ONLY.

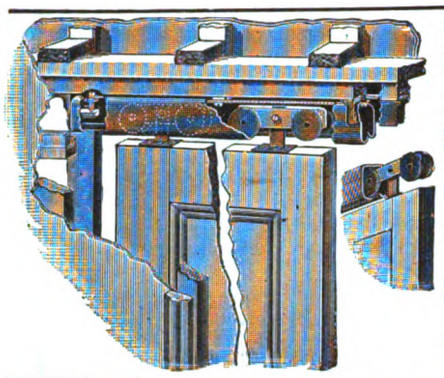
FACTORIES: Grand Rapids, Mich.; Toronto, Canada; Paris, France.

OFFICES: Grand Rapids, Mich. (Main Office); New York City (Export Office).

BRANCHES:

London, Boston, Paris, Hamburg, Melbourne, Rotterdam, and agencies in Twenty Foreign Countries.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

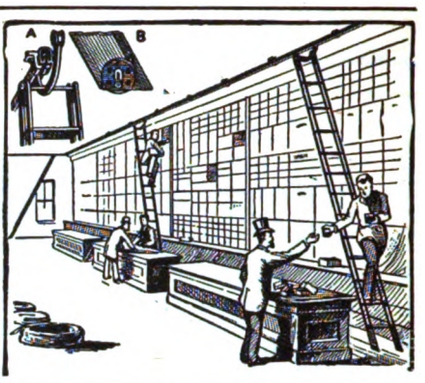
Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

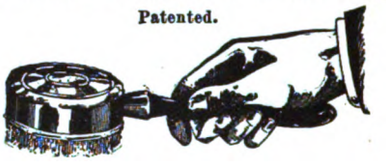
Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Liberal discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

WOOD MANTELS.



PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.

WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address
FOREHAND ARMS CO.,
WORCESTER, MASS.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, PARKER BROS., MAKERS, Meriden, Conn.

WINNER OF GRAND AMERICAN HANDICAP OF 1895.

Seed's
New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at :

75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : :

J. H. SEED, Manufacturer,
21 & 23 Centre Street, New York.

REMINGTON
HAMMERLESS GUNS.
Automatic and non-Aut. Ejecting.

THE FINEST AMERICAN GUNS EVER OFFERED.



10 Qualities, from $45.00 Upwards.

GUARANTEED FOR NITRO POWDERS.

Complete Catalogue of Remington Firearms on application.

REMINGTON ARMS CO., - ILION, N. Y.
Makers of the Celebrated Remington Bicycle, office, 313-315 Broadway, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

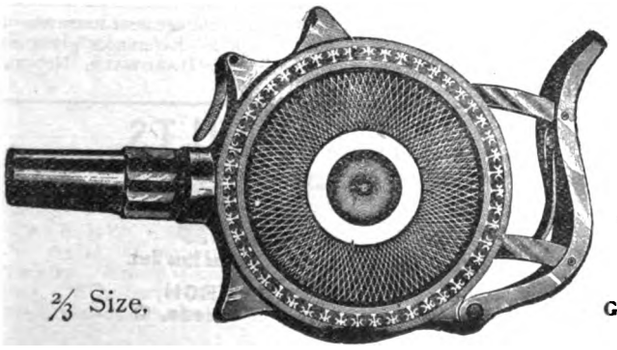
Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

F. H. WEEKS - AKRON, OHIO.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.
GEO. J. WELLS, Agent,
88 Chambers St., New York.

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The Yale & Towne Mfg. Co.,

Manufacturers of BUILDERS' HARDWARE.

GENERAL OFFICES: 280 Broadway, New York.

WAREROOMS:

NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.

Works: Stamford, Conn. / Branford, Conn.

BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Building.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

AN importer of pocket knives, scissors and razors desires one or two first-class salesmen, who are thoroughly familiar with these lines and know the trade; highest salary paid. Address, stating full particulars, Good Chance, care HARDWARE, No. 143 Chambers Street, New York.

A1 SALESMAN wanted to visit the Jobbing trade of New York and Pennsylvania. Liberal commission. Address L. L. W., care HARDWARE, No. 143 Chambers Street, New York.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A competent salesman of table cutlery; one who can command trade and manage that department. Address R., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street. New York.

YOUNG man, 23, desires position in retail or jobbing house. Five years' experience. Well acquainted with builders' Hardware, machinists' tools and cutlery. Can furnish best of references as to ability, etc. Address E. T. Barton General Delivery, Hartford, Conn.

A SITUATION wanted by a young man twenty-eight years old, with ten years' experience as salesman. Good city reference can be given. G. A. K., care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

A POSITION wanted either in the house or on the road, by a young man of ten years' experience in general Hardware and several years as traveling salesman in Pennsylvania, Maryland and West Virginia. Address C. W. Shires, Bedford, Pa.

AN energetic young man who has fil'ed every position in the jobbing, Implement and Hardware business from stenographer to manager desires to connect himself with some Eastern manufacturer either at factory or as representative at some point in this country. Address W. J. S., care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 25, desires position as assistant bookkeeper and general man in a Hardware concern. Can furnish A1 references as to ability, etc. Five years' experience in Hardware line. Address J. H., No. 412 Eighth Avenue, New York City.

A POSITION by a young man. Six years' experience in large builders' Hardware manufacturing concern. Well acquainted with builders' Hardware and estimate work. Discount, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as salesman, traveling or in store, of wholesale or retail general Hardware or cutlery house. Have had ten years' experience as buyer and head salesman in above lines, and will furnish the highest references. X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as traveler for Hardware or Hardware specialties by a man of some ability and eight years' experience. References my present employers. T. A. Stroud, Pine Bluff, Ark.

SITUATION wanted to auctioneer job lots or Hardware specialties through the West, by a man who has had twenty years' experience in that line, and can furnish A1 references. Would be pleased to correspond with job lot dealers. Address P. H. Starr, Norwalk, Ohio.

AN experienced Hardware salesman, ten years on the road, desires a position with a first-class cutlery or Hardware house. Best of references as to character and ability. Address H. W., care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted by a man with twenty years' experience in the Hardware business. Thoroughly posted in builders' Hardware and house-furnishing goods. Will accept position in house or on the road. Address Brooklyn, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Experienced Hardware salesman, seven years introducing to architects and large trade extensive territory. Ability, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Position desired as such to represent first class firm, California preferred. Smart, well educated, used to traveling in States, Canada, England and Germany. Fifteen years' references. Age, 31. Address F. N. Co, No 1710 Amsterdam Avenue, New York.

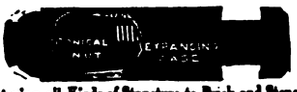
BICYCLE DEPARTMENT.—A1 man of many years' experience, thoroughly well posted in regard to every detail of the bicycle business; first-class salesman, good advertiser and persistent hard worker would like charge of this department or is open to offers. C. C. L., care HARDWARE, No 143 Chambers Street, New York.

A COMPETENT young lady, who has had business experience, would like position of stenographer and typewriter in some reliable Hardware house First-class references given. Address Typewriter, care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted by a first-class tinner, an expert at furnace work, roofing, spouting and general jobbing and repairing; also understands bicycle repairing. Young man, single, speaks English and German; industrious, steady and sober References. Address H. F. Thompson, No. 135 Lake Street, Chicago, Ill.

A FIRST-CLASS cutlery salesman is open to engagement to travel. Is now under contract which is about to expire. References given and required. Address "Cutlery Salesman," care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr. ISAAC CHURCH, Toledo, O

Send for Catalogue.

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Situations Wanted.

ALIVE, energetic young man recently employed by leading cutlery importer, desires to represent a German manufacturer to take importation orders for pocket-knives, razors or scissors. An experienced traveler and possessing the highest references. Address Norroton, care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty-four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware, stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Lake County, Ohio.

BICYCLES—A1 man of many years' experience, thoroughly well-posted in regard to every detail of the bicycle business. First-class advertiser and persistent worker would like to have charge of this department or have propositions. Address to Cycle Propositions, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—By a young man with twelve years' experience in the Hardware business, a position either in the house or on the road. Unquestionable references. Address M. G., care HARDWARE, No. 143 Chambers Street, New York.

A SHEET metal salesman with eight years' factory experience, wishes a change of employers, same line, or with manufacturing or jobbing Hardware house. Address "New Jersey," care HARDWARE, No. 143 Chambers Street, New York.

A POSITION as commercial traveler is wanted by young man of great ability, having a fine education. Good references given Address J. N. Patterson, England, Pa.

YOUNG man, twenty-two, desires situation in city or country; rapid penman; accurate, honest, temperate; liking for hard work; can give bond. Address A. E. McLean, Tremont, N. Y. C.

WANTED—By a young man, thirty-five years of age, with fourteen years' experience in the retail Hardware business, position as salesman with a good house. Thoroughly posted in builders' Hardware, and capable of making estimates from architects' specifications. Can fu nish unexceptional references. Address Capable, care HARDWARE, No. 143 Chambers Street, New York.

POSITION by a young man to represent barbers' supply or good cutlery house in two or three Southern States. Good references as to character and ability; three years' experience with barbers' supply and cutlery house. Address, stating salary given, to Cutlery, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

TRAVELING salesman, of long experience, acquainted with Hardware trade through Middle and Western States, wants side line from manufacturer; mechanics' tools preferred. Address C. D. Ferre, No. 9 Locust Street, Springfield, Mass.

THE subscriber desires to recommend a first-class traveling salesman, at present covering the State of Colorado with samples of crockery, to manufacturers of Hardware or other similar lines desirous of being efficiently represented in that territory. Address Henry W. Darling, Treasurer General Electric Co, Schenectady, N. Y.

WANTED side line of leading manufacturer by builders' Hardware salesman for New York, Brooklyn, Philadelphia, Boston, and large towns in New York State and New England, also Baltimore, Washington and New Jersey. First-class references. Address Chipman, care HARDWARE, No. 143 Chambers Street, New York.

AN active agent with large personal acquaintance with jobbing and retail toy trade wishes a line of small iron toys on commission for Baltimore and Washington, D. C. Best of references. Address C. F. M., corner Bond and Gay Streets, Baltimore, Md.

WANTED a line of "corrugated conductors," etc., or Hardware specialties for Milwaukee and Wisconsin trade. "S.," No. 334 Twenty-first Avenue, Milwaukee, Wis.

TRAVELING salesman with established trade in leading towns in Middle and Western States, wants a line, or good specialty to sell Hardware trade on commission. Address Good Trade, care HARDWARE, No. 143 Chambers Street, New York.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex:

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

WE want traveling salesmen to sell our washer direct to the retail trade. We will allow a liberal commission, and also allow them a commission on all mail orders coming from their customers. For full particulars address the Rocker Washer Co., Ft. Wayne, Ind.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

WANTED Agents for Ariston Cycles in States of New York, New Jersey and Connecticut. Address Hoole Machine & Engraving Works, No. 83 Reade Street, New York.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

WANTED—Active, energetic traveling Hardware salesman to carry an article as a side line, which will interest every dealer. Large commissions paid. Address Richmond Safety Gate Co., Richmond, Ind.

WANTED—Experienced Salesman in Western States to sell good staple in Hardware line, representing manufacturer direct. Liberal commission. Address Box 156, Wilkinsburg P. O., Pittsburg, Pa.

Agencies for Hardware Specialties Wanted.

CALIFORNIA.—A responsible, experienced party about locating at Los Angelos, California, desires several agencies for first-class manufacturers and Hardware specialties. Address E. S. C., HARDWARE, No. 143 Chambers Street, New York.

AN active, pushing salesman, having large acquaintance among Hardware, department stores, etc., in New York, Philadelphia and the South, desires to add a good line on commission. Manufacturer's agency preferred. Highest references. Address "Specialties," care HARDWARE, No. 143 Chambers Street, New York.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged. Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

WHO has got a good line or specialty to sell to Hardware trade, that would like to be represented in New York City by party having established trade, on commission or otherwise? Address Hardware Selling Co., care HARDWARE, No 143 Chambers Street, New York.

Bicycle Agency Wanted.

WANTED for Chicago and vicinity the agency for a good standard bicycle by three live men. For the trade only. Good showroom on prominent thoroughfare. D. Hymes, No. 135 Lake Street, Chicago Ill.

Business Opportunity.

WANTED an experienced partner with $3000 to take half interest in an established Hardware business in a growing town. Address H. H. H., P.O. Box 2383, New York City.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street, New York.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

The BEST FREEZERS Made

HAVE
Electric-Welded Wire Hoop Pails,
MADE OF
Best Virginia White Cedar,
AND
Drawn Steel Bottom Cans.

SOLD BY LEADING JOBBERS.







HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

STRONGER. LAST LONGER. HANDSOMER.
EQUALLED BY NONE
IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

Manufactured Exclusively by

North Bros. Mfg. Co., Philadelphia, Pa.



House... ...Goods Supplies.

ESTABLISHED 1867

Partrick & Carter Co.
Electrical Supplies.
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."



K. & E.

SPRING JOINT STEEL RULES.

K. & E.

Pocket Rules, plain and with springs.

These rules sell well wherever shown. Trade price list on application.

SCALES, PLUMB-BOBS, THUMBTACKS, &c.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....30%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—₩ 1000—
B.E., 11 up.80c..B.E., 9&10...70c
B.E., 8.....8 0c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
20&2%
SHOT—
Drop Shot, sizes smaller than 8, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .80
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .85
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1 35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$1.75
Dust Shot, 5-lb bags, ₩ b g....$ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 to 5 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 1.65
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 3.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼ lb..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black..... $ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ lb 9c.....15@15 & 5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9c@9¼c
American "Horse-Shoe"..9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association..70&10@75&5%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%
HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ dos. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $36; 2, $12....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%
GIMLET BITS—
Diamond ₩ dos. $1.35.....40&10%
Double Cut, Shepardson's..45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....2 @25&10%
Snell's.....25&2½&10%

Awls—
Sewing, Common.....60%
Should. Peg ₩ gr. $6.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00...60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ dos., $1.50..25&20%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ dos. $7.50; No. 20, ₩ dos. $10.....60@6 & 5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5 $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....₩ dos. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ dos. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$18.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%
HATCHETS—
American Axe & Tool Co.40 & 10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb:
Broad.....40&10@50%
Shingling.....40&10@50%
Lathing.....40&10@50%
Warehouse.....40&10@50%
Collins.....10%

Balances—
Straight Spring balances.40& 10@50%
Common 24 lb.....₩ dos. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's ₩ dos. 80c 95c $1.75 net
Chatillon's Spring Bal....40@40&10%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—
HAND—
Light Brass.....70& 10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓& 10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Keil & Son Trip Gongs...50%
DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....33⅓& 1 0
Gong, Yankee.....4 & 10%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....25&10%
Crank, Brooks'.....25
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&5%
Pull, Brooks'.....50&10&5%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per dos. $36.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....30&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....30&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—
Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%
Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ dos. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ dos.....25%
Millers Falls ₩ dos. $4.50.....25%
Wm. Johnson's:
7¼x2¼x1, ₩ doz. $11.00.....50%
9x2½x1, ₩ doz. $12.00.....50%
Bit Holders—
Extension:
Millers Falls Barber's, ₩ dos. $15 40@4 &10%
Ives' ₩ dos. $20.00....60&5@60&10%
Blind Adjusters—
Domestic..₩ dos. $3..33⅓@33⅓&10%
Excelsior..₩ dos. $10.00...50&10&5%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro. sets.....$6.50
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ dos. $1.00 .2 @20&1 %
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55& 1 %
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley.60%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75& 10@75&10 & 5%
Cast Iron Shutter Bolts..75& 10@75 & 10&5%
Cast Iron Chain (Sargent's list). 65 & 10@65&10 & 5%
Ives' Patent Door Bolts...60 & 10 & 5@ 60&10& 5%
Wrought Barrel.....75& 10@80%
Wrought Square.....75 & 10@80%
Norwich Lock Mfg. Co. list.....80%
Wr't Shutter, all Iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.60@4%
Wr't Sunk Flush, Sargent's list. 60@ 1 %
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &C.—
Com. Jan 30, '95 70 & 10 & 5@70&10&10%
Genuine Eagle, list Oct. '94.. 80&10@ 80&10%
Phila. pattern, list Oct. 7, '94.....80%
R. B. & W., old list.....70&10%
Machine list Jan. 31, '95.....75&10%
Bolt Ends, list Jan. 31, '95.80@8 & 5%
TIRE—
Common, list Feb. 28, '88.....70 & 10%
American Screw Co.:
Norway, Pa., list Oct. 16, '94.75&10%
Eagle Phila., list Oct. 16, '94.9'& 0%
Bay State, list Feb. 28, '88...70&10%
B. R. & W., list Oct. 16, '94.....80%
STOVE AND PLOW—
Stove.....70%
Plow.....0& 0&10@70%
R. B. & W., Plow.....60%
MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bone Mills—
Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.	
Douglass'	$5.50	$6.75	50%
Snell's, Rice's Pat.	5.50	6.75	40& 10&10%
Jennings'	5.50	6.75,	5'@ /0 &5%
Other Machines	2.25	2.50	net
Phillips' Patent with Augers	7.00	7.50	
Millers Falls		7.50	20%

Bow Pins—
Humason, Beckley & Co.'s 7 @7 & 10
Sargent & Co.'s $17 and $18.60 & 10 @ 60&10 & 5%
Peck, Stow & W. Co. 60& 0@60&10&10%

Braces—
Barber's.....50& 10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....60&10%
Ives' New Haven Novelty.7 @ 0 & 5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60 & 10%
Common Ball American $1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%

Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled 65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50@5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 23, 33, 35.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net. ₩ dos. $1.12@$1.35
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list...60&10%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.70@70&10%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....80&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....90&20@90& 2%

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Bull Rings—
Union Nut Co.....55%
Sargent's.....60@10&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.60@30&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....35%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—
Enterprise.....25%

Butter and Cheese Tryers—
Ordinary.....25%

Butt Gauges—
Stanley's.....20&10%

Butts—
BRASS—
Wrought Brass.....30&10@30&20%
Cast Brass, Tiebout's Fast Joint.60%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Kell & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....60@60&10%
Fast Joint, Broad 60&10@60&10&10%
Loose Joint.....75&10@30%
Loose Joint, Japanned....75&10@30%
Loose Joint, Jap. with Acorns, 75&10@30%
Parliament Butts.....75&10@30%
Mayer's Hinges.....75@10@30%
Loose Pin, Acorns.....75&10@30%
Loose Pin, Acorns, Jap...75&10@30%
Loose Pin, Acorns, Japanned, Plated Tips.....75&10@30%
WROUGHT STEEL—
List, April 1, 1895
Narrow, No. 800
Narrow, Loose Joint, No 802..
Loose Joint, No. 806.
Reversible, No. 804.
Broad, No 808.
Table, No. 810.
Back Flaps, No. 814
Square Back Flaps, No. 816
Pew Door, No 818.
Chest, No. 820.
Reversible, with Steeple Ball Tips, Nos. 822, 823.
Light Reversible, with Ball Tips, No. 824.
Extra Light, No. 826
Light Reversible, No. 834
Light Loose Joint, No 836.....
Wardrobe, Ger. Pat. No. 837⅓
Light Narrow, No 838
Loose Pin, Light Nar., No. 840
Light Inside Blind, No 842....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Hols, No. 846
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830
Light Parliament, No. 832.....
} 75%

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 3 $1.75.25%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka.....₩ doz. $3.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star.....₩ doz. $2.75
Sprague, No. 1, $3.00; 2, $2.25; 3, $3.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....55&5%
Domestic, ₩ doz. $3.00.....45%
Champion, ₩ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....75%

Cards—
Horse and Curry.....20@25%
Cotton.....2@25%
Wool.....2@25%

Carpet Stretchers—
Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points. ₩ doz. 85c 20%
Bullard's.....20%
Dunlap's.....25%
Wm. Johnson's Socket.....20%

Carpet Sweepers—
Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $37.00
Cosmopolitan.....₩ doz. $37.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $37.00
Inter Ocean.....₩ doz. $37.00
Hall.....₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₩ doz. $21.00
Domestic, No. 2.....₩ doz. $22.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Standard.....₩ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} 60&10@70%
Deep Socket.....60%
Martin's Patent (Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....60%
Yale Gem.....70%
Giant Truck Casters.....35%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s...70&10@70&10&10%
Sargent's.....70&10@70&10&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....66⅔%

COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
Trace, 6½-10-3, ₩ pair, $1.08.....60&10%
Trace, 6½-10-3, ₩ pair 82c.....60%
Trace, 7-10-3, ₩ pair $1.11.....60%
Log, Fifth Stretcher, other fancy Chains.....60&10&5@60&10&10&5%
German Coil.....60&10%
German Halter Chain.....60&10%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₩ ft 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Cherry Stoners—
Enterprise.....25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 80@80&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....$4.75@$5.00 to £
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....30%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....30%
Morse's Adjustable, each $7.00 30@30&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....30%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's..75@75&5%
Carriage Makers' P. S. & W. Co..40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported)..... 3.50
Albion L (for left hand)... 3.50
Foxhall..... 3.50
Autocrat (centre fly nut). 3.50
Peerless (horse toilet)..... 4.00
Newmarket..... 2.50
Triumph (Ball bearing), horse toilet..... 4.00
Keystone (Ball bearing), centre fly nut..... 5.00
American (double cutting plate)..... 5.00
Lexington..... 3.50
Advance..... 2.50
Globe Reversible (Ball bearing)..... 6.00
Republic..... 3.75
Double Diamond (reversible plate)..... 5.00
Dictator..... 3.50
Empire..... 3.75
Regent Toilet (for horse).. 3.00
La Belle Toilet (for horse). 3.00
} 25%

Clips—
Norway Axle.....70@70&5%
Spring Bar Clips.....60&10&10@70&10&10%
Superior Axle Clips.....70@70&5%

Coffee Mills—
Box and Side.....60@60&10%
Am. Enterprise Mfg. Co.....25%
The Swift, Lane Bros.....30%
Wapdell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....30%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s: Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....30%
Inside or Outside.....55%
Double.....55%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....30%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
Williamson's 33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson .....₩ doz $10.00

Corn Huskers—
Hubbard's Solid Steel.₩ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—
Sargent's List.....30%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—
Spring, Jap'd ₩ doz $1.75; Blued, $2 25; Nickeled, $4.00.
Rubber, ₩ doz. $7.50.....20%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00. doz.....40&10%
Nickeled Shank 4 4½
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.....40%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....20%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$25.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1892.....33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00.....20%
Warner's .....55@55&5%
Gem (Coil), list April 19, 1886..20& 20%
Star (Coil), list April 19, 1886..20&10%
Foster's (Coil).....20%
Champion (Coil)....55&10@55&10&5%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ₩ doz. $5.50. 66⅔@70%

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 80@80&10%
Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....20&5@35%
Bradley's.....35%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—
Blacksmiths' .....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)....₩ doz $1.25
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone, 33⅓%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ lb.	4½c	5c	5½c
½ kegs, ₩ lb.	4½c	5½c	5½c
¼ kegs, ₩ lb.	5c	5½c	6c
10 lb cans, 10 in case....	6c	½c	5c
10 lb cans, less than 10..	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ₩ gro $4.50
No. 6, ₩ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood 25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
DXL, 1st quality, Cork Lined...50%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat. Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....25%
Fenn's Cork Stops....33⅓%
Starr....60%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ℔ doz. $36.00....33⅓%
Lane's ℔ doz. $36.00....25%
Enterprise Molasses Gates....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3.75	$4.00
Dairy Pails, 14 qt.	$.33..	4.00	
Fire Pails, No. 2, 14 qt.	$4 00..	3.50	
Sugar Pails, with cover		4.50	5.00
Horse Pails short, wide and heavy)..		3.70	
Buggy Pails (short and light)..		2.75	
Prison Pails (with cover)		6 50	
Slop Jars (bal. trap), No. 5 and 5x, 14 qt		7.00	8.00 9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt		5 50	6.50 7.50
Commoee Rings (extra)		1.50	1.75 2.00
Wash Basins (10½ inch)		1.75	1.90 2.30
" (12 inch)..		1.90	2.30 2.80
" (13½ inch)		2.30	2.80 3.30
Wash Bowls			3. 0 4 00
Pitchers			5.00 5.50
Milk Pans (Old Gold, in No. 5)			2.00 2.50
Fruit Bowls			1.90 2.10
Keelers, 11½ inch			2 80 3.30
Waste Paper Baskets, 13 inch high			4.00 4.50
Mats, 8½ inch (for table use)		1 00	1 20 1.40
Mats, 15 inch (for cuspidores, etc		3 00	3.25 3.75
Mats, 17 inch (for slop jars, spittoons, etc)...		3 50	3.80 4.30
Mats, 20 inch (for slop jars, spittoons, etc)...		4.00	4 40 4.90
Cuspidors, 8½ inch, by 7¼ inch high			7.00 8.00
Spittoons, "Daisy," 8 inch (p essed)		3.50	4.00 4.50
Spittoons, 10 1nd 11½ inch		4.50	5.00 5.50
Peck Measures		3.00	
Half Peck Measures...		2.50	

Files—
DOMESTIC—
Arcade....65%
Montgomery & Co., Special....65%
Nicholson Files, Rasps, &c. @ 10%
Nicholson Butcher Tools....25%
Nicholson (X.F.) Files....25%
Eagle....60&10&10@70%
American....60&10&5@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't&50 10%
IMPORTED—
Moss & Gamble, List April 1, 1888. 15%
Butcher....Butcher's list, 20%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—
Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base)....10%

Fluting Machines—
Knox....35%
Geneva Hand Fluter, White Metal, ℔ doz. $12.00....35&5%
Crown Fluters....30%

Fluting Scissors—
List....45%

Fly Fans—
Columbia....10%
Fowlers ℔ doz....$1.00
Keyless M. & I. Co. ℔ doz....$21.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e. &c. Phila. list. 60@60&5%

Freezers, Ice Cream—
Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Ohio....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co....25%
Henis....℔ doz $3.50
Shepard's Queen City....40%

Fry Pans—
Standard List:

No	0	1	2	3	4
℔ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
℔ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gauges—
Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....25&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....35%
Clapboard....20&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ℔ doz $2.00 net

Gimlets—
Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....25&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ℔ gr $12....25@25&10%
Bell Hangers....50%

Glue—
Dodd's Liquid Glue....25&25&5%

Glue Pots—
Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Graters—
Enterprise....25%

Grindstones—
Family....50%
New York Pattern....20%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—
Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's....℔ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ⅛ in. Jute.
Rope, ½ in. Hemp.
Web and Rope Halters.
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 40%
Upson & Wooding....40%

Hammers—
HANDLED HAMMERS—
Maydole's....25%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co....
} 40&10@50&10%
Fayette R. Plumb....
C. Hammond & Son, List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....75&10%
Stone....70%
Blacksmiths'....60&10%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....20@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ℔ doz....
Nos. 1, $3; 2, $6....33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterers Light, ℔ doz. $6.25.45%
Upholsterers Heavy, ℔ doz. $7.60 45%
Upholsterers Usual French, ℔ doz. $10.00....45%
Upholsterers Solid Steel, French ℔ doz. $20.00....30%
Upholsterers Rosewood Handles, ℔ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%
HEAVY HAMMERS AND SLEDGES—
Under 3 ℔...℔ ℔ 45c
3 to 5 ℔....℔ ℔ 35c } 75@75&10%
Over 5 ℔....℔ ℔ 30c
Wilkinson's Smiths...10½c@11c ℔ ℔

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%
STORE DOOR HANDLES.—
Japanned....60&10%
Bronzed....60&10@66⅔%
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%
DOOR PULL—
Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as ℔ gr 4.50
" Firmer Chisel, large ℔ gr 5.00
Apple Firmer Chisel, as..℔ gr 5.00
Apple Firmer Chisel, large ℔ gr 6.00
Socket Firmer Chisel, as. ℔ gr 3.00
} 35@40%
Worcester Leather Cap'd Chisel. 25%
File, assorted....℔ gr 2.75
Auger, assorted...℔ gr 5.00
Auger, large....℔ gr 7.00
} 30@
} 30&10%
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'....℔ set $1.25
Pat. Auger, Swan's....℔ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ℔ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 60%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—
Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track. 55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&2%
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ℔ doz. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader. 50&10%
Terry's Steel Anti-Friction Ideal. 50&10%
Munger Hanger....20&10%
Davis Hanger....20&10&10%
Stearns' Barn Door....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ℔ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger. 20&10 @25&10%
Warner's Pat....20&10@20&10&10%
Stearns' Anti-Friction....20&10@20 &10&10%
Stearns' Challenge. 25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $6.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net....30%

Hay and Straw Knives—
Lightning. Mfrs' price ℔ doz $18.00, 45%
Gem....℔ doz $10
Wadsworth's....40%
Carter's Needle...℔ doz $11.50@$12.00
Heath's....℔ doz $12.50@$14.00
Auburn Hay, Corn, and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....℔ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap....30%
Screw Hook and Strap. { 6 to 12 in., ℔ D 3 9-10c; 14 to 20 in., ℔ D 3 4-10c; 22 to 36 in., ℔ D 2 9-10c
Heavy Weld ed Hood... { 6 to 12 in., ℔ D 3 9-10c; 14 to 20 in., ℔ D 3 4-10c; 22 to 36 in., ℔ D 2 9-10c
Screw Hook and Eye. { ½ in., ℔ doz $1.50; ⅝ in., ℔ doz $2.45; ¾ in., ℔ doz $3.80 } 10%
Rolled Blind Hinges Nos. 22 and 24 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ℔ 100 ℔ $5.75, over 14 in., ℔ 100 ℔....$4.75
SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....20%
Acme....30%
J. S....35&10%
Empire and Crown....20%
Stover Ideal ℔ gro....$13.00
New Idea ℔ gro....$13.00
Hero and Monarch....55%
American, Gem and Star....20%
Oxford....20%
Barker's Double Acting...35@35&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@20%
Chicago....20%
Wiles'....10%
Devore's....40%
Rex....40%
Royal Japanned....60%
Royal Bronze....45%
Reliable....60%
Champion....35%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔%
GATE HINGES—
Western....℔ doz $4.40, 60%
N. E....℔ doz $7.00, 55%
N. E. Reversible, ℔ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....℔ doz $5.00, 55&10%
Automatic....℔ doz $12.50, 30%
Keil's Superior....30%
Common Sense...℔ doz pair $4.50, 30%
Seymour's....45&10%
Shepard's....60&10&10%
Sargents....60%
Reed's Latch and Hinges...℔ doz $12.00, 30%
Long's Self Closing....50%
BLIND HINGES—
Barker....75&10%
Palmer....50&10&10%
Seymour....70&2%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 3, 5, 40 and 50....80%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....80%
Buffalo....80%
Clark's Genuine Pattern....80%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c....80%
Planter's Cotton, &c....80%
Warren Hoe....65%
Magic....℔ doz $4.00
Dunlap's:
Boys' hoes....℔ doz $3.00, 30%
Ladies' hoes....℔ doz $2.00, 30%
Scuffle....30%
EYE—
D. & H. Scovil....20%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ℔ doz $1.25
Hill's Tongs....℔ doz $2.00
Hill's Rings...℔ doz bxs $2.15@$1.00
Perfect Rings...℔ doz bxs $1.60@$1.70
Perfect Ringers...℔ doz $2.10@$2.25
Blair's Hog Ringer ℔ doz $2.25@$2.50
Blair's Hog Rings...℔ doz 90c@$1.00
Champion Ringers....℔ doz $2.00
Champion Rings, Double, ℔ doz $2.25
Brown's Ringers....℔ doz $2.00
Brown's Rings....℔ doz $1.25@$1.50

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware..33⅓&10%
Rustless Hollow-Ware.....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother.....40&5%
Hartford Silver-Plate Co., William Rogers Mfg. Co.....40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading, Clothes Line, Sargent's list.....60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60&10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....⅌ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c.
See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....60&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ⅌ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $3; 3, $3.25; No. 4, $3.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	26c	26c	26c	24c	23c	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c	30&10%
Essex	28c	26c	25c	24c	23c	40&10&5&2%&5%
Lyra	19c	17c	16c	15c	14c	40&10%
Snowden	19c	17c	16c	15c	14c	40&10%
Vulcan	26c	21c	20c	19c	18c	25%
Northw't'n	26c	26c	23c	21c	20c	25@25&5%
A. C.	25c	25c	23c	21c	21c	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c	21c	40&10&5%
Champlain.	28c	23c	25c	24c	23c	40&5&5&2%
Saranac	28c	21c	20c	19c	18c	40&5%
Champl'n	25c	23c	23c	21c	20c	10&10&10%
Capewell	19c	18c	17c	16c	15c	10&5%
Anchor	28c	21c	20c	19c	18c	35%
Western	28c	21c	20c	19c	18c	50%
Empire Bronsed						13@14c ⅌ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....60&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20.....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick.....⅌ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
See Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$13.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18		20
Inches.	12x9	13x9½	14x10		15x10½
Dozen..	$14.40	$18.00	$20.64		$23.40
Each...	1.20	1.50	1.72		1.95
Quarts.	24	32	40		48
Inches.	16x11	17x11½	18x12		19x13
Dozen..	$27.00	$32.40	$41.58		$49.50
Each...	2.25	2.70	3.47		4.13
Quarts.	56	72	100		128
Inches.	20x14	22x15½	24x17		26x18½
Dozen..	$65.34	$79.20	$106.90		$136.62
Each...	5.45	6.60	9.08		11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen..		$14.40	$18.00	$20.64
Each...		1.20	1.50	1.73
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen..		$23.40	$27.00	$32.40
Each...		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys...⅌ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....35%
Wilson's Butcher Knives.....35%
Ames' Butcher Knives.....30%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....⅌ doz.$5 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....35%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ⅌ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ⅌ doz. $4.50; 14 in. ⅌ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....⅌ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....⅌ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....60%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....35%
Gibbs' Arc.....net ⅌ doz. $12.00
Gibbs' Hustler.....net ⅌ doz. $4.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ⅌ doz. $6.00 40&5@40&10%
Wood No. 2.....⅌ doz. $2.00, 50%
Wood, Common....⅌ doz. $1.70@1.75
Dunlap's Improved ⅌ doz. $2.75..30%
Jennings' Star.....⅌ doz. $2.25
The Boss.....⅌ doz. $2.50
Dean's, Nos. 1, ⅌ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....⅌ doz $15.00, 40%
Berger Bros. ⅌ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....⅌ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.35; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.35.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....25c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ⅌ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ⅌ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '93. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '94, revised Jan. '95.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 68.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c., Nos. 100 to 595..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....30&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 130 line.....90&25%
Nos. 140 line.....65%
Nos. 235, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....60%
No. 437.....60%
Acme Bicycle and Satchel per doz. $6.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....⅌ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ⅌ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ⅌ doz.....70%

Nos.	11	12	13
	$37.00	$33.00	$45.00

American.....80%

Nos.	1	2	3	4	B	5
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$5	$15

Miles' Challenge ⅌ doz...45@45&25%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..⅌ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8	
	$50	$75	$80	$225	20@25%

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ⅌ doz $66.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list..40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, ⅌
Curtiss Hammer.....⅌ doz $9.00
Giant, No. 1.....⅌ doz $18.00, 10%
Giant, No. 2.....⅌ doz $15.00, 10%
Pelican.....⅌ doz $9.00, 25%
Lightning.....⅌ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....⅌ gr. $4.00@$4.25
Round.....⅌ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point⅌ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....25%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ⅌ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ⅌ lb net; in packages less than 100 lb. add ½c ⅌ lb. net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ⅌ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....⅌ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ⅌ gross.....$7.50
Indian Pond Red End, No. 1, ⅌ gross.....7.00
Indian Pond Red End, No 2, ⅌ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" ⅌ " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ⅌ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1⅛ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge ⅌ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ⅌ lb..... .70
Discount 33⅓%.
Pike's Washita Mounted:
3x2, ⅌ doz.....$12.00
6x2, " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x½ to 1½, ⅌ lb..... .34
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ⅌ lb..... 2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ⅌ lb..... 3.50
No. 1, 3 to 12x1¾ to 2¼x¾ to 1¼, ⅌ lb..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x1⅛ to ⅝ ⅌ lb..... 4.0

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓&5.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&5.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1⅛, ₩ lb .06
Washita Finish, about 8x2x¾ to 1⅛, ₩ lb .10
Round Edge Slips, about 6x1⅛ to 2x⅛ to ¾ back x ⅛ to ¼ edge, ₩ lb .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross 3.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross .80
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb .08
Small Axe, about 3x2x⅛ to 1 ₩ lb .10
Special Axe, 2½x1½x½ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x¼, weight about 1 lb, ₩ lb .05
Medium, 8 to 8½x2x1½, weight about 1½ lb, ₩ lb .05
Large, 8½ to 9x2½x2, weight about 2lb, ₩ lb .05
Small table, 9 to 9½x2½x2, weight about 4 lb, ₩ lb .06
Large Table, 10x4x2 " .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓&5.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston" 60%
"Excelsior" Self-Vulcanising, per lb 70c 40%
Boston "Phœnix" Red Sheet, per lb 50c. net
N. Y. B. & P. Co., Standard 50%
N. Y. B. & P. Co., Empire 60%
N. Y. B. & P. Co., Salamander 25%
N. Y. B. & P. Co., 1846-Para 40&10%
N. Y. B. & P. Co., Double Diamond 60%
N. Y. B. & P. Co., Carbon 60&10%
Standard 60&10%
Extra 60&10%
Cleve. Rubber Co., Buckeye 75%
Cleve. Rubber Co., High Grade 60%
Cleve. Rub. Co., Warranted 2XL 50%
Jenkins' Standard ₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing 10c@11c ₩ lb
Russian Packing 14c ₩ lb
Italian Packing 13c@14c ₩ lb
Cotton Packing 15c@17c ₩ lb
Jute 7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance ₩ doz $4.75
Baldwin ₩ doz 5.25
Bonanza ₩ doz 5.00
Daisy ₩ doz 4.00
Dandy ₩ doz 7.50
Eureka, 1886 each 16.00
Family Bay State ₩ doz 12.00
Favorite ₩ doz 5.00
Ideal ₩ pos 4.00
Improved Bay State ₩ ds. $37@30.00
Little Star ₩ doz 4.50
Monarch ₩ doz 12.50
New Lightning ₩ doz 5.50
Penn ₩ doz 4.00
Perfection ₩ doz 4.00
Pomona ₩ doz 4.00
Rocking Table ₩ doz 6.00
Turntable ₩ doz 4.50
Waverly ₩ doz 4.00
White Mountain ₩ doz 4.00
72 ₩ doz 4.25
76 ₩ doz 7.00
Oriole, ₩ doz $5.00 20&10%
Victor, ₩ doz $15.00 20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain ₩ doz $4.50
Antrim Combination ₩ doz 5.50
Hoosier ₩ doz 12.50
Saratoga ₩ doz 5.50

Pencils—
Faber's Carpenters' high list 50%
Faber's Round Gilt ₩ gro $5.25
Dixon's Lead ₩ gro 4.50
Dixon's Mascot, Round ₩ gro. $3.10
Dixon's Mascot, Hexagon ₩ gro. 3.38
Dixon's Lumber ₩ gro 6.37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead ₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00 60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding 50%
Bench, First Quality 55%
Bench, Second Quality 60%
Bailey's (Stanley R. & L. Co.) 40%
C. E. Jennings & Co. 50&10%
U. S. Ship 45%
U. S. Grooving 40%
Fales Bench 20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's 40%
Victor 30%
Miscellaneous 25%
Steer's Iron Planes 40@40&10%
Meriden Mal. Iron Co.'s 40@40&10%
Davis's Iron Planes 40@40&10%
Gage Tool Co.'s Self-Setting 30&10%
Chaplin's Iron Planes 40@40&10%
Sargent's 40&10%
Standard Tool Co. 50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's $5.00@$5.25 to £
Buck Bros. 30%
Auburn "Thistle" } 25%
Ohio }
Sandusky }
S. & L. J. White 25%
Stanley Rule & Level Co. 50%
C. E. Jennings & Co. 25&10%
Hinsdale 20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers 33⅓&5
Hall's X American Pliers 20%
Hall's Side Cutting Pliers 30%
Hall's Nippers 30%
Button's Patent 50%
Humason & Beckley Mfg. Co. 50@50&10%
Gas Pliers 60%
Eureka Pliers and Nippers 40%
P. S. & W. Cast Steel 50%
P. S. & W. Tinners' Cutting Nippers add 6% dis. 10%
Carew's Pat. Wire Cutters 20%
Swiss Pliers 25%
Stube' 20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00 50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6¼ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers 66⅔%

Plumbs and Levels—
Millers Falls 33⅓&5
Stratton's Nos. 1, 10, 11, 12 25%
Stratton's Nos. 2 to 8 50%
Cook's 40&10%
Stanley's 75%
Regular List 75%
Disston's 50%
Pocket Levels 70%
Davis' Iron Levels 20&10%
Davis' Inclinometers 10&10%
Wood's Extension Sight 30%
Plumb Bobs 40%
Wm. Johnson's 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz. 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz. 10%
J. P. Lovell's Police Goods. 25%

Polish, Metal—
Prestoline 20&10%
Prestoline Paste 33⅓&5

Polish, Stove—
Joseph Dixon's ₩ gro $6.00, 10%
Gem ₩ gro $4.50, 10%
Lustro ₩ gro $4.75
Rising Sun, 5 gro lots ₩ gro $5.50
Dixon's Plumbago ₩ 100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw ₩ doz $18.00, 25%
Disston's Pruning Hook ₩ doz $13.50, 25&5%
Seymour Smith & Son's ₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale, 10%
E. S. Lee & Co.'s Pruning Tools 40%.
Pruning Shears, Henry's Pat. ₩ doz. $3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination ₩ doz $12.00, 20%
Dunlap's Saw and Chisel ₩ doz $8.50, 20%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz. 25%
Levin Pruner, No. 2, $12.00 ₩ doz. 25%

Pulleys—
Axle 60%
Dumb Waiter 60%
Ceiling 60&10%
Hot House 66⅔%
Upright 60&10&10%
Screw 60&10&10%
Clothes Line 55@60&10%
Awning 60&10&10%
Empire Sash Pulley 60%
Common Sense 60%
Moore's Sash. Anti-Friction 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75 50%
Shade Rack 45%
Tackle Blocks' List, May 20, 1889, 50&10@50%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers 60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.
No. 1, Fig. 328, 3 in. Shallow Well Pump $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump $15 00
No. 5, Fig 307, 3 in. Deep Well Pump $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump $17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump $15.00
No. 32, Fig. 523, 3 in Deep Well Pump $17.00
No. 55, Fig. 331, 3 in. Shallow Well Pump $14.00
No. 9, Fig. 332, 3½ in. Shallow Well Pump $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump $15.00
No. 72, Fig 333, 3 in. Deep Well Pump $15 00
No. 73. Fig 333, 3½ in. Deep Well Pump $16.00
No. 102, Fig. 448, 3 in. Lift Pump $10.00
No 108, Fig. 448, 3½ in. Lift Pump $12.00
No. 128, Fig. 510, 3 in. Lift Pump $7.00
No 131. Fig. 510, 3½ in. Lift Pump $8.00
No. 225, Fig. 389, Windmill Pump $12.50
No. 230, Fig. 402, Windmill Pump $13.50
No. 2 5, Fig. 408, Windmill Pump $14.50
No. 240, Fig. 406, Regulator Pump $30.00
No. 290 Fig. 474, Imperial Cyclone Pump $18 00
No. 265, Fig. 502, Cyclone Tank Force Pump $ 7 00
No. 267, Fig. 488, Geyser Tank Force Pump $17.00
No. 268, Fig 513, Low Down Tank Force Pump $16 00
No. 302, Fig. 477, Spray Pump complete $11.50
No. 320 Fig. 492, Bucket Spray Pump $6.50
No. 33 , Fig 547, Knapsack Spray Pump $10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz., 60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@3.50
Spring, Leach's Pat. 15%
Bemis & Call Co.'s Springfield Socket 65
Bemis & Call Co.'s Spring and Check 50%
Solid Tinners', P. S. & W. Co. ₩ doz. $1.44, 55%
Tinners' Hollow Punches, P. S. & W. Co. 30&2½
Rice Hand Punches 15%
Avery's Revolving 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots 33⅓&5
Lesser quantities 25%
Niagara Hollow 20%
Niagara Solid 55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet $2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft. 7c
B. D. for N. E. Hangers:
Small Med. Large
Per 100 feet $2.15 2.70 3.25 net
Terry's Steel Rail, ₩ foot 4½c
Victor Track Rail, 7c ₩ foot 50&5%
Carrier Steel Rail, ₩ foot 4½c
Moore's Wrought Steel 25&10%

Rakes—
Cast Steel, Association goods 70%
Cast Steel, outside goods 70&5%
Malleable 70@70&5%
Oneida Lawn $6.00 doz. net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite net ₩ doz $3.90
Gibbs' Acme net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 3. net ₩ doz. $5.50
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless 65%
Fort Madison Steel Tooth Lawn Rake, $6.00 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..20%
Boys' rakes ₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No. 3 Brand, $1.1
Hay 12 teeth " $2.40; No. 2 $2.10
Lawn, 22 teeth, $2.15; 24 teeth, $2.15
Sawdust $1.50
Gibbs' Garden:
Boss, No. 14 net ₩ doz. $2.95
Boss, No. 18 net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co. 30%
Wostenholm and Butcher, $10.00 to £ net
Jordan's AAA1, list Nov. 1, 1889 50%
Jordan's Old Faithful, list Nov. 1, 1889 50%
Electric List net
Campbell's Celebrated Warranted 50%

Refrigerator Hardware—
Francis Keil & Son 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887 60&10%
Copper 50@10%
Coopers 60&10%
Block 60&10%
Carriage 60&10%
Hame 60&10%
Belt "Bettina" with Burrs 50&5%
Burrs 60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs 60&10%

Rivet Sets—
Regular list 55&60%

Rods—
Stair, Brass 30%
Stair, Black Walnut ₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door 55%
Moore's Adjustable Stay 55%
Union Barn Door Roller 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger ₩ lb 7¾c
Manilla, ⅜ ₩ lb 8¼c
Manilla, ¼ and 5-16 ₩ lb 8¾c
Sisal, 7-16 and larger ₩ lb 5¼c
Sisal, ⅜ ₩ lb 6¼c
Sisal, ¼ and 5-16 ₩ lb 6¾c
Sisal Lath Yarn, medium ₩ lb 5¼c
Cotton Rope ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manilla, ⅜in ₩ lb 7½c
Manilla, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal, ⅜ in ₩ lb 6 c
Sisal, ¼ and 5-16 in ₩ lb 6½c
Sisal, Hay Rope ₩ lb 6½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
1½% for cash in 10 days.
Cotton Rope ₩ lb 11@13c net
Jute Rope ₩ lb 5@6c net

Rules—
Boxwood 50%
Ivory 50%
Miscellaneous, Stanley's 60%
Starrett's Rules and Straight Edges, Steel 25&10%

Sad Irons—
From 4 to 10 at factory ₩ 100 lb $2.50@$3.75
Self-heating ₩ doz $3.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet 30%
Enterprise Star Irons 30%
Chinese Laundry:
New England Butt Co. 8½c, 15%
New England 8c, 15%
Mahony's Troy Pol. Irons 15%
Sensible 20%
National Self-heating 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set $ .75 net.
No. 55, ₩ set .70 net.
No. 60, ₩ set .80 net.
No. 65, ₩ set .76 net.
Outfits, No 550, each 2.60 net.
Outfits, No. 555, each 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net $3.40
Crown Sad Irons, No. 235, per dozen, net $9.00
Chinese Laundry, net ₩ lb .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper 60&5%
Emery Cloth 50&5%
Garnet Paper 30&5%

Sash Chain—
Giant 40%
Monarch 50%
Red Metal 40&10&10%
Steel 40&10&10%
Morton's:
Champion Metal 25%
Steel Cable 25%

Sash Cord—
Common ₩ lb 10@11 c
Jute, good quality ₩ lb 11c
White Cotton Braided, fair ₩ lb 25c
Common Russia Sash ₩ lb 16c
Patent Russia Sash ₩ lb 15c
Cable Laid Italian Sash ₩ lb 23½c@25c
India Cable Laid Sash ₩ lb 14c

Silver Lake:
A Quality, White 30%
A Quality, Drab 25%
B Quality, White 40%
B Quality, Drab 30&10%

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C Quality, White (only) 26½c @ 28c
Sylvan Spring
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton....27c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....56c
Sash Fasteners, Holders, &c.—
Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....₩ doz. $1.20. 40%
Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances..25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security....70%
Sash Weights—
Solid Eyes....₩ ton $23.50
Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40&10%
Saws—
Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....30%
Gang, Drag & Mill....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....60&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....40%
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%
HACK SAWS—
Griffin's complete....45%
Griffin's Hack Saw and Blades....45%
Chatillon....30%
Butchers....25%
Star Butcher....25%
Saw Frames—
Star Hack....25%
White Vermont..₩ gro. $9.50@$10.00
Red, Polished and Varnished...₩ doz., $3.00 40%
C. E. Jennings & Co....20%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%
Saw Sets—
Stillman's Lever, Nos. 40, 45....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00....40&20%
Perfect Saw Jointer....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Autowatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets. ₩ doz. $6.00
Hart's Pat. Lever....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold....₩ doz., $15.00, 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%
Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%
Scale Beams—
Scale Beams, List Jan. 12, '83..50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%
Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....₩ doz., $4.00, 10%
Box, 2 Handle....₩ doz., $6.00, 10%
Defiance Box & Ship....20&5%
Foot....50&10@60%
Ship Common....₩ doz., $3.50 net
Ship, R. I. Tool Co....10%
Screens—
Phillips:
Bonanza Screens....60%
Perfection Screens....60%
Extension....50&10&5%
Flyer....50&10%
Window Screen Frames....60&5%
Screen Doors—
Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30 & 35%
Standard Oil....35 & 40%
Screw Drivers—
C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....50&5%
Disston's Pat. Excelsior....50&5%
Buck Bros....30%
C. T. Williamson Wire Novelty C.. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....₩ doz., 70@95c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 2, $12, 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ₩ doz....90c } 50%
Beauty, ₩ doz....$1.00 }
Wm. Johnson's:
135 A....70&10%
135½ Extra....70%
138 Ebonized Handle....70%
141½....75%
142 Ebonized Handle....70%
Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron....85%
Round Head Iron....75%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....85%
Round Head Brass....75%
Flat Head Bronze....80%
Round Head Bronze....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws....87½%
MACHINE—
Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%
BENCH, HAND, ETC.—
Bench, Iron....70%
Bench, Wood, Beech. ₩ doz $2.00@2.25
Hand, Wood....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....80&5%
Bed....20&25%
Hand Rail, Sarrent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....5 & 10%
Jack Screws, Millers Falls, without Roller Bearing....6%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%
Scroll Saws—
C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw Blades....35%
Scythes—
Grain....40&5@40&10%
Grass....40&10%
Seeders—
Enterprise Raisin....25%
Sets—
See Awl and Tool Sets.
Shears—
Ætna, Steel Japanned....80&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@50&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60%
Japanned....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75%
Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net
Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Hatfield Sheaves....30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s....60&10&
Sargent's list....60&10%
Reading list....40&10&10%
Shells—
See Ammunition.
Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bose, at factory....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ lb 7½c
Perkins Improved Snow....₩ lb 4c
MULE—
Add $1 ₩ keg to above prices.
OX, WROUGHT—
Ton lots....₩ lb 9c
1000 lb lots....₩ lb 9½c
500 lb lots....₩ lb 10c
Shot—
See Ammunition.
Shovels and Spades—
Ames' Shovels, Spades, &c....20%
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....30@30&7½%
Hussey, Binns & Co....15@35%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan., 1886....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%
Shovels and Tongs—
Iron Head....65@65&5%
Brass Head....65@65&5%
Sifters, Flour—
Hunters....₩ doz. $2.00
Slaw Cutters—
Enterprise....25%
Slicers—
Enterprise Vegetable....25%
Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps
Spoke Shaves—
Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....20%
Millers Falls....25%
Wm. Johnson's:
Wood, Best....3.%
Wood, 2nd Quality....3½%
Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks. 50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co. .40 &15&10&10
L. Boardman & Son....50&12½%
MISCELLANEOUS—
German Silver....50@50&5%
German Silver, Hall & Elton. 50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash
Springs—
See Door Springs.
Squares—
Steel and Iron....
Nickel-Plated.... } 80%
Try Square and T Bevels. 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....30@25%
Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....80&25&10%
Extra Heavy....80%
Hooks and Staples....80&25&10%
Extra Heavy....80%
Hasps and Staples....80&25&10%
Extra Heavy....60%
Staples on Plates....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%
Stocks and Dies—
Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....30@25%
Reece's New Screw Plates....25%
Reversible Ratchet....30%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%
Stones—
See Oilstones.
Stops—
See Bench Stops.
Stove Polish—
See Polish, Stoves.
Sweepers—
See Carpet Sweepers.
Tackle Blocks—
See Blocks.
Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓%&2% cash.
Carpet Tacks:
American....66⅔%
Steel....66⅔%
Swedes, S. S....66⅔%
Swedes, Lanc....62½%
Leathered....50⅓%
American Cut Tacks....62½%
Swedes Iron Tacks:
S. S....62½%
Lanc....57½
Upholsterers' Tacks:
S. S....66⅔%
Lanc....62½%
Gimp Tacks:
S. S....66⅔%
Lanc....62½%
Lace Tacks:
S. S....67½%
Lanc....57½%
Trimmers' Tacks:
S. S....57%
Lanc....50%
Looking Glass Tacks....33⅓%
Picture Frame Points....33⅓%
Basket Tacks....62½%
Berry Box Tacks....62½%

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Trunk Tacks:
S. S 66⅔%
Lanc. 62½%
Miners' Tacks, S. S. 66⅔%
Bill Posters' and Railroad Tacks:
S. S 66⅔%
Lanc. 62½%
Brush Tacks and Nails:
S. S 55%
Lanc. ..... 5 %
Hungarian Nails 57½%
Common and Patent Brads 50%
Finishing Nails 57½%
Trunk and Clout Nails 57½%
Basket Nails 50%
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 3⅓%&2% cash.
F. H. Cobblers Nails:
4⅛-8in., and shorter, ₱ 100 ℔ $20.60
⅝ in. and longer, ₱ 100 ℔ ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

No. 18 & 19.	17 & heavier.
2 3&2¼-8 in. $30.00	$41.20
3-3&3⅛-8 in. 51.50	35.15
4-3& longer, 41 20	33.45

MISCELLANEOUS—
Double Point ... 85&10@85&10&10%
Wire Carpet Nails 60&10@60&10&10%
Bill Nye Brad Box $4.00
Bonnie Blue ..... ₱ box $1.50
Claw Handle Carpet ... ₱ gr $4.00
Home Tacks. No. 50, ₱ case (12 cartons), $36.00; No. 100, ₱ case (12 carton-), $72.00. 50 & 2%.
Home Nails, No. 200, ₱ case (12 cartons), $30.00; No. 400, ₱ case (12 cartons), $60.00. 5 & 2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks 66⅔&33⅓&2%
Miniature Keg Tacks 66⅔&33⅓&2%
Upholsterers' Nails ..... 5 & 10%

Tack Pullers—
Columbia, No. 1, per doz., net, ... $1
" " 2, " " ... 1.50

Taps—
American Screw Co.
Machine Screw 60%
Hand and Machine ..... 60&10%
Pipe 60%
Blacksmiths' Taper ..... 50&10%

Tin, Perforated—
Harrington & King Perforating Co: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	₱ 45	$1 50
2	90	1 55
3	1 35	1 35
4	1 80	1 20
5	2 25	1 20
5½	.25	1 10
6	95	1 15
7	85	1 10
8	70	1 05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) 20&2%
Snips, J. Mallinson & Co 33⅓%
Snips—"Clauss" 50%

Tinware—
Stamped, Japanned and Pieced, list Jan. 31, 1895 ... 70&10@70&10&10%

Trammel Points—
Cook's 25%
Stanley's ..... 30&10%
Tower & Lyon 33⅓%
Jennings "Eureka" 25%

Tracks, &c.
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... 3.50
Single rail Car, Single Steel T. 3 50
Rev. Car., Wood Track 3 5
Comb., Car., Wood Track 3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps, ₱ ft. ..... .09
Single Rail Steel Track with clamps, ₱ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1 50
Walker Fork, each $1.15
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each ... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 485, ₱ doz. $2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₱ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₱ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₱ doz. $1.65
Steel Frame Pully with Iron Sheave, Fig. 565, ₱ doz. ... 1 50
Reed Wood Frame Pulley with Hook. Fig. 434, ₱ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz $2.00
Floor Hooks, ¾ in ₱ doz. .... .65
Hanging Hooks for Double Steel Track, ₱ doz. ..... .60
Hanging Hooks for Single Steel Track, ₱ doz. ..... .60
Hanging Hooks for Wood Track, 10 in. ₱ doz. ..... .45
Hanging Hooks for Wood Track, 14 in, ₱ doz. ..... .55
Wrought Rafter Brackets, ₱ doz. ..... .45
Malleable Rafter Brackets, ₱ doz ..... .45
Rope Hitch, ₱ doz. $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida:
Newhouse ..... 40&10%
Hawley & Norton ..... 70&5%
Victor ..... 70&10&5%
All Steel 75%
Star ..... 50&10%
Blake's Patent ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₱ doz hole 80@10%
S.T. ..... ₱ doz $6.00, 20%
Mouse, Round Wire, ₱ doz $1.50, 20%
Mouse, Cage, Wire, ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $2.50, 15%
Mouse, Bonanza ..... ₱ gr $10.00
Mouse, Ideal ..... ₱ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer ..... ₱ gr $9.50
Rat, Keystone ..... ₱ gr $10.00
Rat, Exterminator ..... ₱ gr $12.00
Rat, Decoy ..... ₱ gr $10.00, 15%
Hotchkiss:
Metallic Mouse 50%
Improved Rat 40%
New Rat 40%
Schuyler:
Mouse, ₱ gross $18.00 ..... 50%
Rat, ₱ gross $30.00 ..... 50%
Household ..... ₱ gr $10.00
Rat, Rat 50%
FLY—
Balloon ..... ₱ gr. $18.50
Electric Rod ..... ₱ gr. $16.50
Globe ..... ₱ gr. $13.50
Harper ..... ₱ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering. 25%
Peace's Plastering 25%
W. & McP. Plastering. 25%
Richardson 25%
Rose's Brick ..... 15@20%
Brade's Brick 30%
Sargent's Garden, No. 1 ..... 70%
Sargent's Garden, No. 15 ..... 50%

Vises—
Solid Box ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' ..... 30@10%
Holland's ..... 40@45%
Parker's ..... 20@25%
Wilson's 55%
Alligator 50%
Howard's 40%
Massey's Quick Action ..... 20@2%
Bonney's ..... 40&10%
Millers Falls ..... 40@40&10%
Trenton ..... 40&5@40&10%
Merrill's ..... 15@20%
Sargent's 50%
Backus and Union 40%
Prentiss' ..... 20@25%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench ..... 25&10&5%
SAW FILERS
Bonney's Nos. 2 & 3, $15.00 .... 40&10%
Stearn's 40%
Stearn's Silent Saw Vises .... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₱ gross. $2.50 to $12.00
Rattan Drop Tops ₱ doz. 50c to $1.50
Rattan Straight ₱ doz. 80c to 3.00
Rattan Fancy Mounted ₱ doz. $1.50 to $6.00
Stocked Javas ₱ doz. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₱ doz. $4.00 to $7.50
"True Grip" Raw Hide ₱ doz. $6.00 to $12.00
Whalebone ... ₱ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co. 40%
Clayton's ..... 25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18 ..... 72½%
Cop'd, Nos. 0 to 18 ..... 70%
Galv., Nos. 0 to 18 ..... 62½%
Tin'd, Tinned list Nos. 0 to 18 62½%
Tinned Broom Wire .... 5¼c net
Galvanized Fence 65%
Malin's Annealed and Tinned on Spools ..... 60&5%
Malin's Brass and Copper on Spools ..... 50&5%
Annealed Fence, Nos. 8 and 9 .... 75%
Annealed Grape, Nos. 10 to 14 .... 75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass 55%
Brass, list Jan. 18, 1884 ..... 20%
Copper, list Jan. 18, 1884 ..... 35%
Barb Fence ..... See Trade Report
Cast Steel Wire 50%
Stub's Steel Wire ..... $6.00 to $ 30%
Steel Music Wire, Nos. 13 to 30 55c ₱
Tate's Wire Picture Cord Braided and Twisted ..... 30&10%
Picture Wire ..... New list 30&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₱ 100 sq. ft. $1.45
Galvanized Wire Netting ..... 30&10%
Brass Cloth ..... 40@55%
Steel Bolting Wire Cloth ..... 30@55

Wire Rope—
List, May 1, 1886.
Iron ..... 33⅓&2½%
Iron, Galvanized ..... 40&2½%
Cast-steel ..... 40&2½%

Wire Rope Clips—
Crosby 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 50
Heavy 50%
Alligator ..... 40&10%
Hercules 70%
American Adjustable 40%
Armstrong's 40%
Baxter's Adjustable "S" 60%
Baxter's Diagonal 60%
Coes' Genuine 50%
Coes' "Mechanics'" ..... 50&10&2%
Girard Standard 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought ..... 80&5%
Eagle Pipe 50%
Taylor Pipe and Nut 40%
Stillson Pipe 45%
Trimo Pipe ..... 50&10%
Wakefield Pipe and Nut 40%
Bemis & Call's:
Patent Combination Black. 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern ..... 30&10%
Cylinder Gas Pipe ..... 45&5%
No. 3 Pipe 55%
Aiken's Pocket (Bright) $6.00 .... 60%
Boardman's 30%
Always Ready ..... 33⅓&5%
Champion Carriage 40%
Donohue's Engineer 35%
Trimo Combination 40%
Cincinnati Tool Co:
Bit ..... 25&10%
Standard Brace ..... 25&10%
J. H. Williams 25%
Lowell Ratchet 33⅓%
Lowell Socket Bridge 40%
Lowell Lag Screw 25%
Yankee 45%
Expert Bicycle ..... 33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30, Erie, 11 inch	27.00
No. 55, King, 11 inch	38.28
No. 45, King, 10x1¾ inch	36.00
No. 65, King, 11x2 inch	32.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No 3. Zenith, 11 inch	19.00
No. 4, Zenith, 13 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime, 11 inch	23 00
No. 66, Columbia, 11x1¾ inch ..	27.00
No. 99, Pittsburg, 11x2 inch	31.00
No. 33, Nonpareil, 11x1¾ inch ..	28.00
No. 44, Nonpareil, 11x2 inch	33.00

Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches ... 21.00
No. 11 Rolls, 11x1¾ inches 25.00
No. 12 Rolls, 12x1¾ inches 29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₱ gal. 56c
Linseed, City, Boiled, " ₱ gal. 59c
Out of Town on Spot ..... ₱ gal. 56c
Calcutta, Raw, in bbls .... ₱ gal. 56c
Lard ..... 6½@6 85

Paints and Colors—
Barytes, Prime White, ₱ ton, $14.00@$17 00
Barytes, Foreign Floated, ₱ ton, $17.00@$18.00
Barytes, Domestic Floated, ₱ ton, $22.00@$23 00
Barytes, Off Color, ₱ ton, $10.00@$13.00
White Lead, American, Dry, ₱ ℔ 5 @5½c
White Lead, American, in Oil, ₱ ℔ .... 5 @5½c
White Lead, English, in Oil, ₱ ℔ 5½@7 c
Litharge, American Powdered, ₱ ℔ .... 4½@4¾c
Litharge, English Flake, ₱ ℔ 8½@9 c
Litharge, Glassmakers', ₱ ℔ 5½@6 c
Zinc, American, Extra Dry, ₱ ℔ 3¾@4¼c

Putty—
Putty in Bulk ..... $1.45@$1.75
Putty in Bladders ..... $1.65@$2.00
Putty in Tins ..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₱ gal. 33c

Colors in Oil—
Black Coach Japan ₱ ℔ .. 18½@20 c
Black Coach Japan in Oil ..... ₱ ℔ 12 @13 c
Black Drop ..... ₱ ℔ 7½@10 c
Black Lampblack, prime, ₱ ℔ 27½@33 c
Black Lampblack, medium ..... ₱ ℔ 15 @20 c
Black Lampblack, 2d quality ..... ₱ ℔ 13 @19
Black, Lampblack, low grade ..... ₱ ℔ 6½@10 c
Blue, Chinese ..... ₱ ℔ 35 @40 c
Blue, Prussian ..... ₱ ℔ 20 @30 c
Blue, Ultramarine .. ₱ ℔ 12 @18 c
Brown, Sienna, bur't ₱ ℔ 7 @10 c
Brown, Sienna, raw, ₱ ℔ 7 @10 c
Brown, Umber, bur't ₱ ℔ 7 @10 c
Brown, Umber, raw, ₱ ℔ 7 @10 c
Brown, Vandyke .... ₱ ℔ 7 @11 c
Green, Chrome ..... ₱ ℔ 8 @14 c
Green, Paris .. ... ₱ ℔ 16 @18½c
Red, Indian ..... ₱ ℔ 12 @15 c
Red, Venetian ..... ₱ ℔ 4½@6 8 c
Yellow, Chrome ..... ₱ ℔ 13 @18 c
Yellow, Ocher, French ₱ ℔ 4½ c

TROY DAMPER.

MADE OF

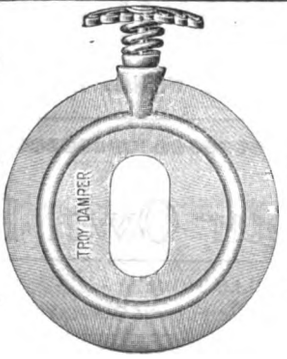
18 GAUGE STEEL.

All Defects in other Dampers removed in this one.

TIME TESTED.

ONE HOLE IN PIPE.

Send for Sample and Prices.



16 Patents.

TROY NICKEL WORKS, TROY, N.Y.



ORIGINATORS

ALASKA

STOVE HARDWARE

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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



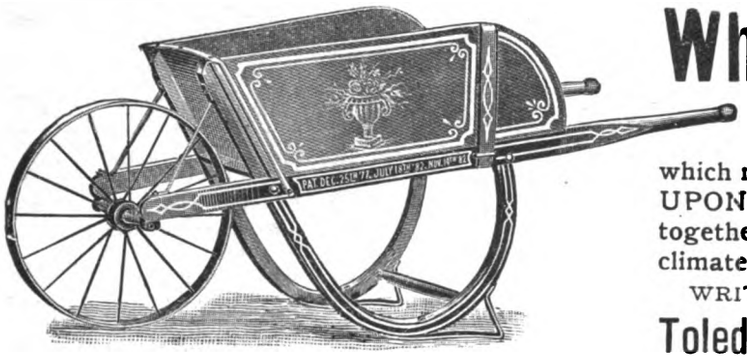
BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

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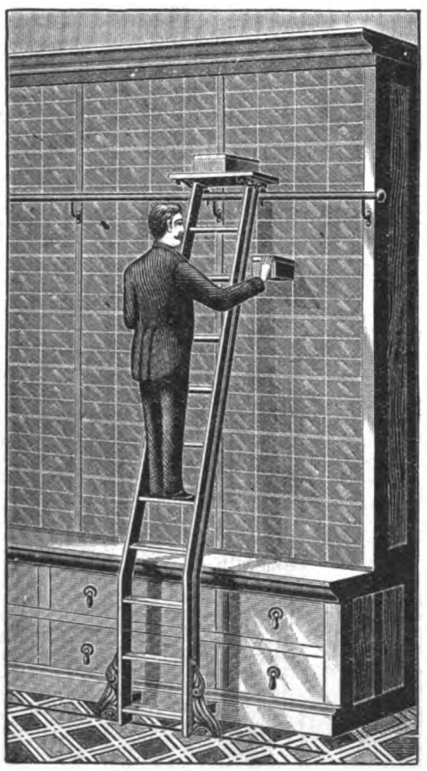
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Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Union Hardware Co, Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.

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A. J. Phillips Co., Fenton, Mich.

Snow Guards.
Folsom Snow Guard Co., Boston.

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Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

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Harrington & King Perforating Co., Chicago.

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Bruce & Cook, New York.

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Pope Mfg. Co., Boston.

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Tuck Mfg. Co., Brockton, Mass.
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Van Wagoner & Williams Hardware Co., New York.

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Geauga Fdy. & Mfg. Co., Painesville, O.

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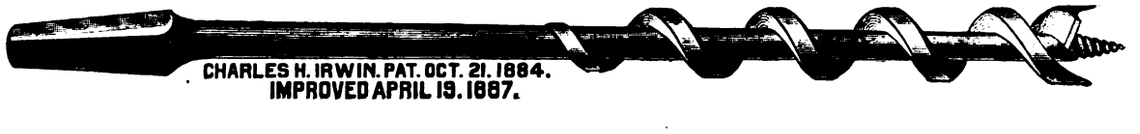
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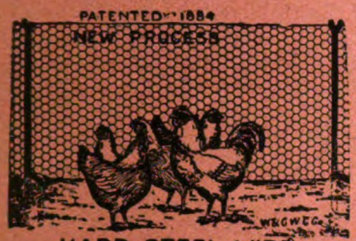
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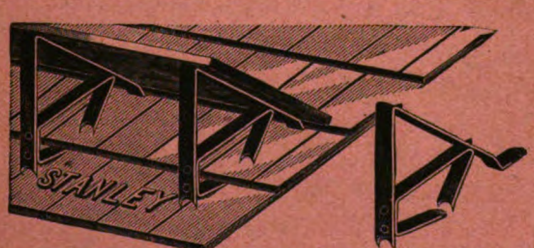
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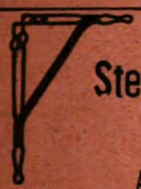
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Wire Straightened and Cut to length.

LANE'S
PATENT STEEL BARN
DOOR HANGER.



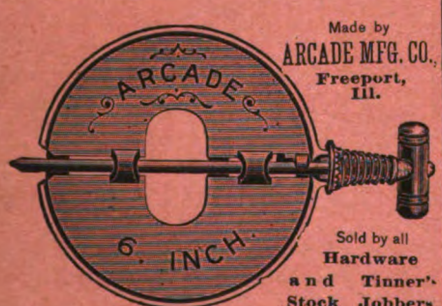
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Single Steel Track Instead of Double Wood Rail.
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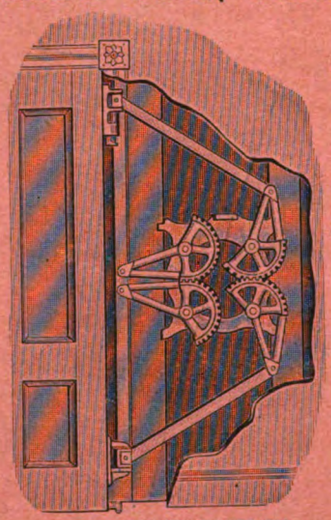
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Thanking you for favors received in the past, I bespeak a continuance of your patronage under the new organization and trust that the same pleasant relations existing between us may be continued.
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Pulls the Cork out of the Bottle.
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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

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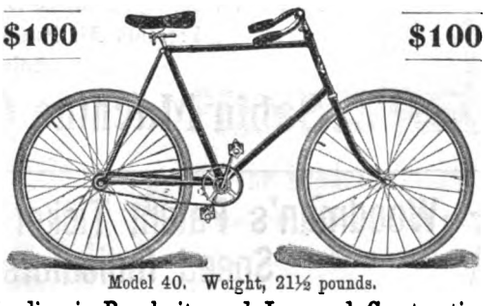
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Unequalled—Unapproached.

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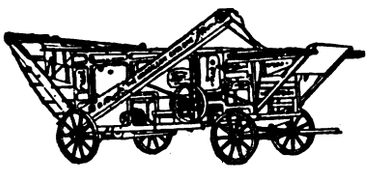
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Read the Guarantee

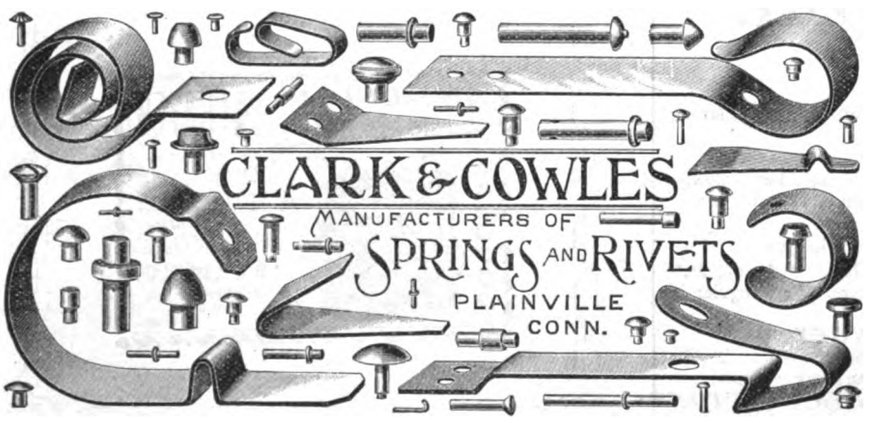
Will make an old machine run better



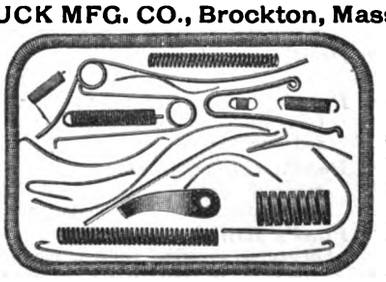
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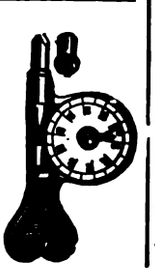
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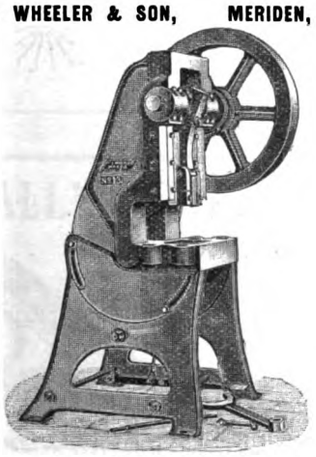
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WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



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NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

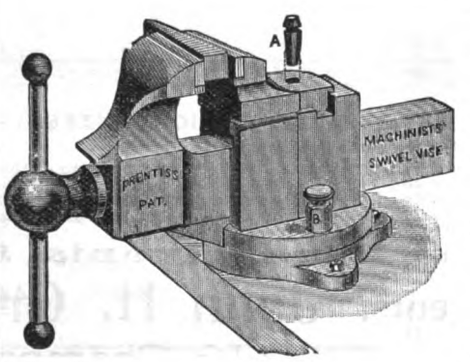
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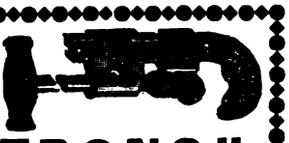
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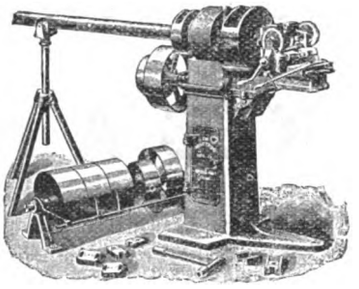
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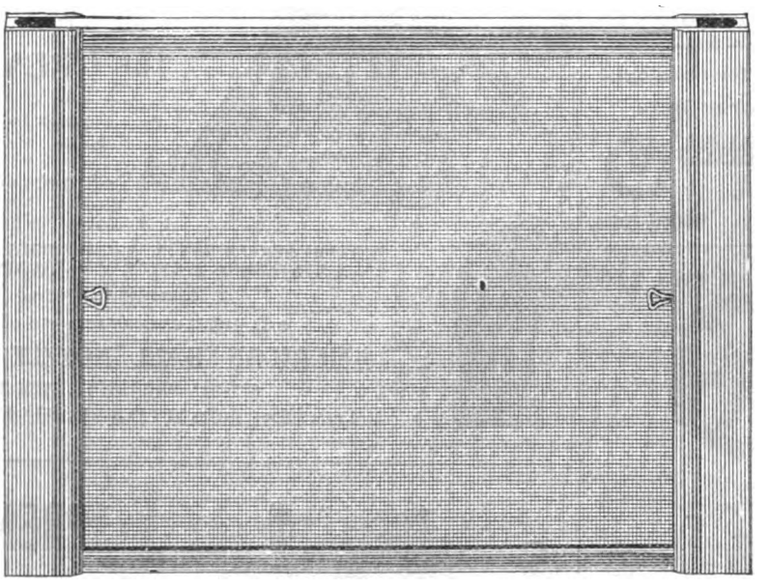
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Sample by mail 75 cents. Illustrated circular and price list sent on application.

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The Best Adjustable Screen is appropriately called

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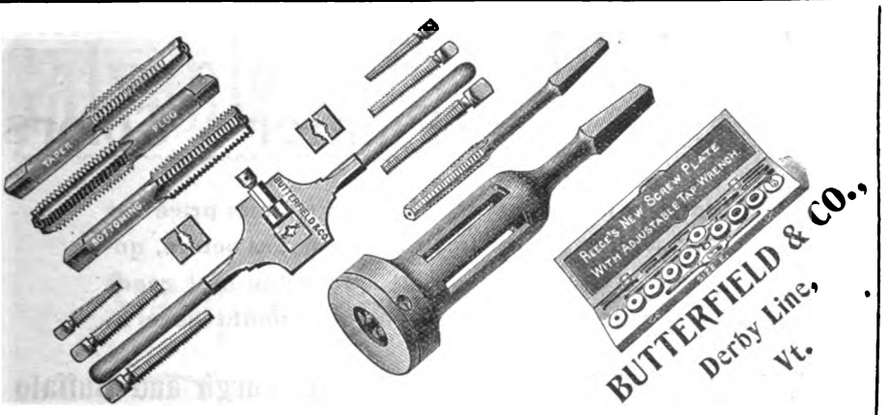
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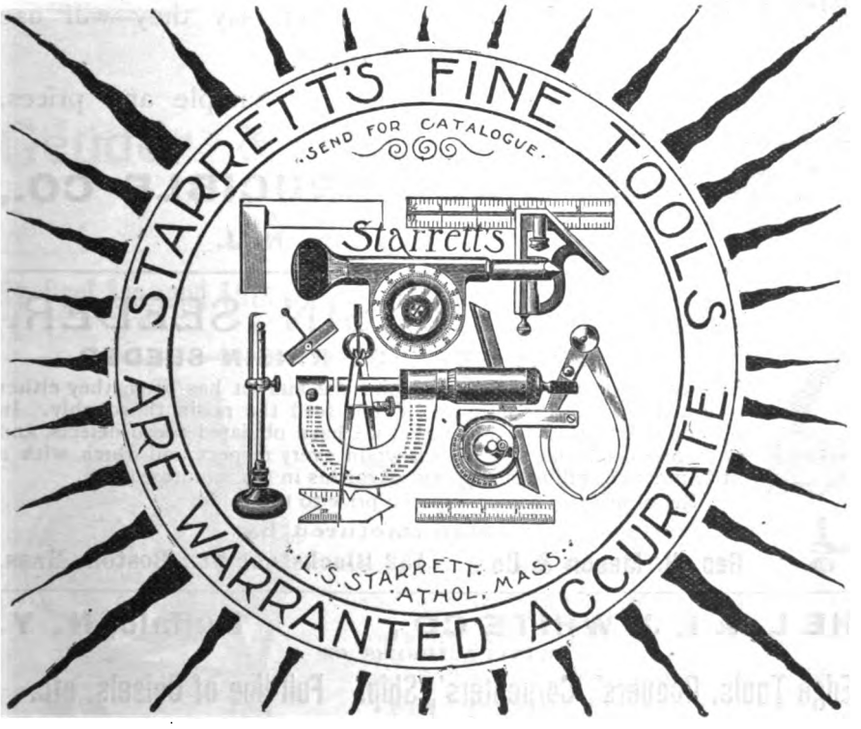
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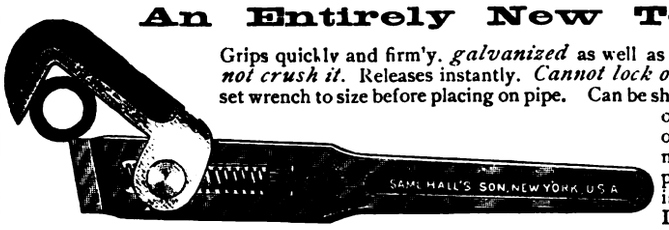
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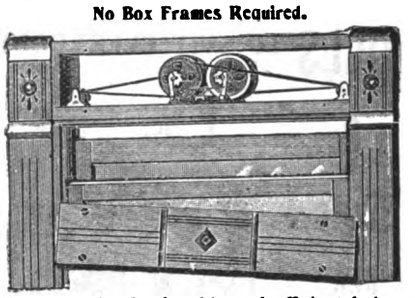
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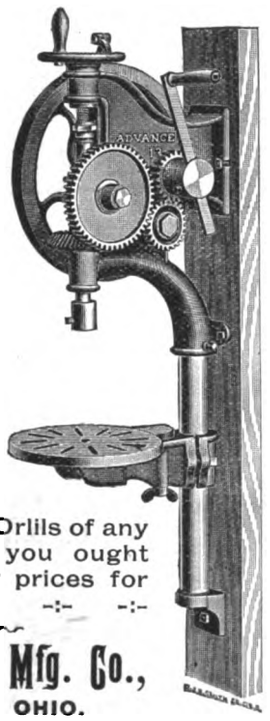
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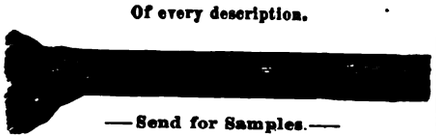
9 Sizes, New Styles, Low Prices. If



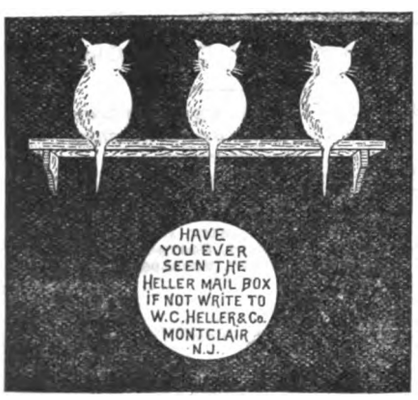
You handle Drills of any description you ought to have our prices for comparison. -:- -:-

The Silver Mfg. Co.,
SALEM, OHIO.

Braided Cord
Of every description.



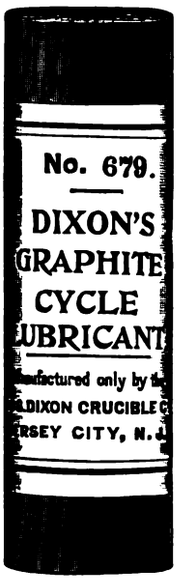
—Send for Samples.—
TATE MFG. CO., MALDEN, MASS.



Reduced Prices for Painter's Colors

Send for our new (March 1, '95) net dealers price list for the Lawrence Colors in Oil. Quality, as before, unsurpassed. We want your trade, and if the best goods at closest prices count with you we should have it.

W. W. LAWRENCE, - - Pittsburgh and Buffalo



Do You Sell Bicycles?

We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.



BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by
Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.

THE L. & I. J. WHITE CO., Buffalo, N. Y.
MANUFACTURERS OF
Edge Tools, Coopers', Carpenters', Ship. Full line of Chisels, etc.



BARK SPUD.

DRESDEN:
33 Werder Strasse.

LEONARD VIENNA AUSTRIA



LIMOGES:
46 Route de Paris.

LEONARD VIENNA AUSTRIA

LEONARD'S VIENNA CHINA AT FIRST HANDS.

P. H. LEONARD,
—Manufacturer and Importer—

VIENNA CHINA, LIMOGES CHINA,
AND FOREIGN GLASSWARE,
76 & 78 READE ST., NEW YORK

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Galvanized Garbage Cans

with Bails and

Stamped Galvanized Covers.



Three Sizes.

Nos.	10	20	30
Inches,	10¼x11½	12x13¼	14x15

Made to nest, thus insuring cheap freights.

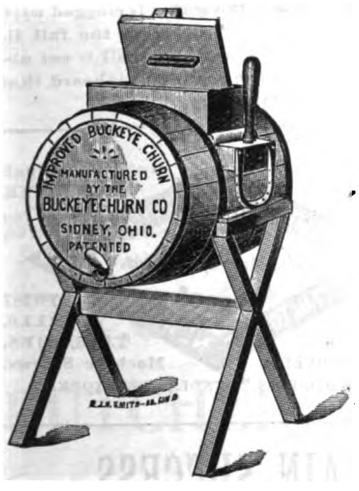
Neat, cheap and quick sellers.

THE

Geuder & Paeschke Mfg. Co.,

MANUFACTURERS,

St. Paul Ave. and 15th St., Milwaukee, Wisconsin.



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,

Sidney, Ohio.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION.

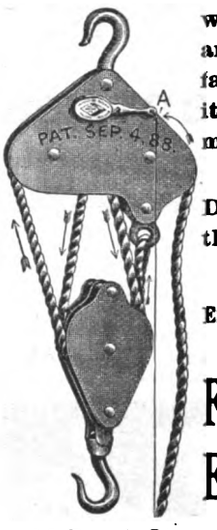
SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

THE

"Sure Grip" Steel Tackle Block



will hold load at any point without fastening the rope; it is the best on the market.

It pays Hardware Dealers to handle them.

Send for Catalogue.

ESTABLISHED 1852.

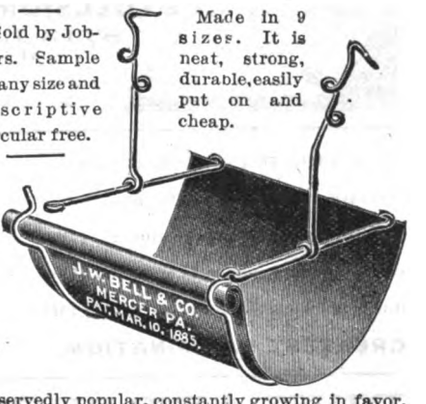
Fulton Iron & Engine Works

26 Brush Street, Detroit, Mich.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

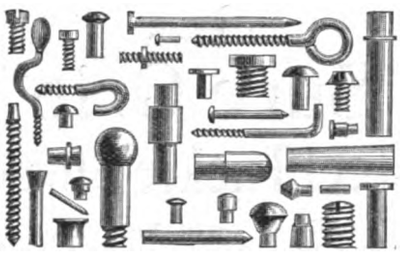
CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

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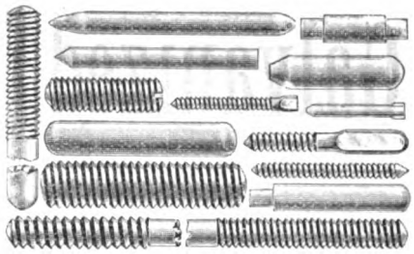


Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.



American Lead Pencil Co.,

429 Broome Street, New York.
110 Cheapside, London, England.



113. "CARBON" PENCIL.

TO obviate that tired feeling and dull pain in the fingers, which invariably accompany the use of the ordinary black lead pencil whenever too much pressure is brought to bear or it is used any length of time, and at the same time to produce an article that is very smooth, very black and very firm, thus adapting it for all kinds of work where a fine, smooth, black and legible mark is required, this pencil cannot be too highly commended. For writing on soft paper it surpasses anything heretofore produced; and for sketching, draughting and heavy shading it is indispensable.

Dozen mailed on receipt of 50 cents. Samples, Catalogue, Information upon Application. Address

American Lead Pencil Co., 429 Broome Street, New York.



K. & E.

SPRING JOINT STEEL RULES.

K. & E.

Pocket Rules, plain and with springs.

These rules sell well wherever shown. Trade price list on application.

SCALES, PLUMB-BOBS, THUMBTACKS, &c.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE **GREATEST ILLUMINATION.**

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light **DROPS.**

DUNLAP'S SUPERIOR ICE TOOLS



Ice Cream Can Scraper.

Blades made of Crucible Cast Steel, carefully hardened and tempered. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.

P. S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER.

KEARNEY & FOOT FILES.

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST NEW YORK.

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

GENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere

Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS





BUCK'S HEAD.

TO GAIN SUCCESS IN BUSINESS,

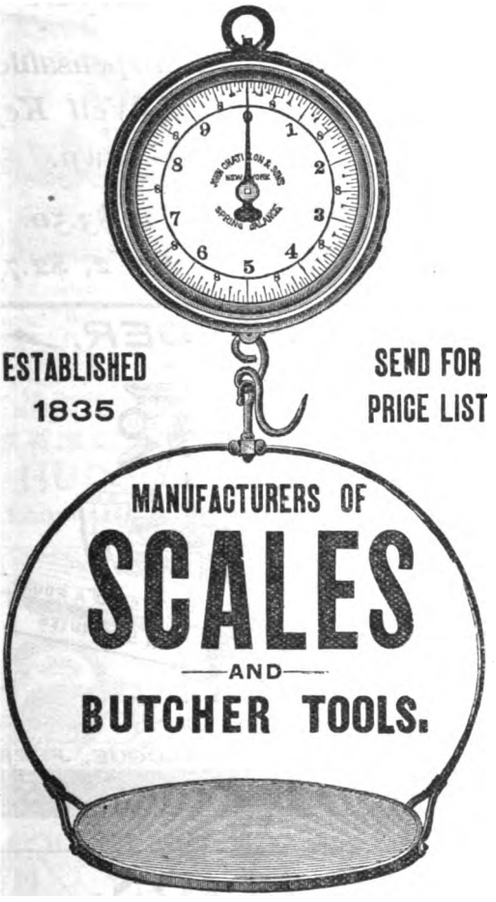
It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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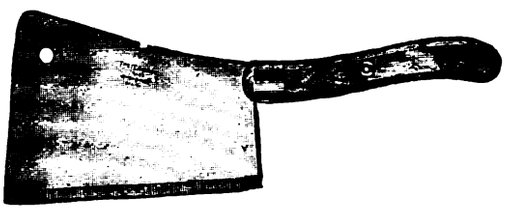
MANUFACTURERS OF

SCALES

—AND—

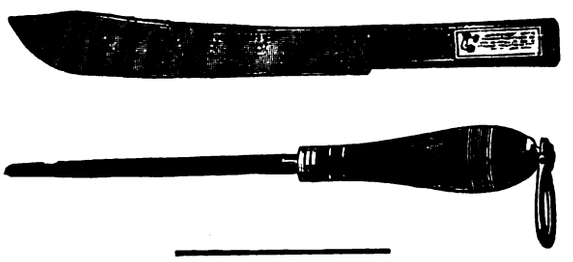
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

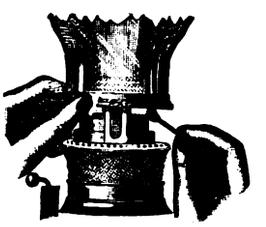
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

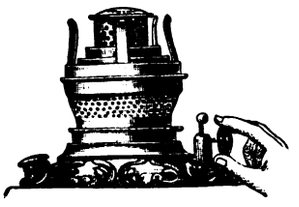
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.



Ratchet Wick-Raising Movement.



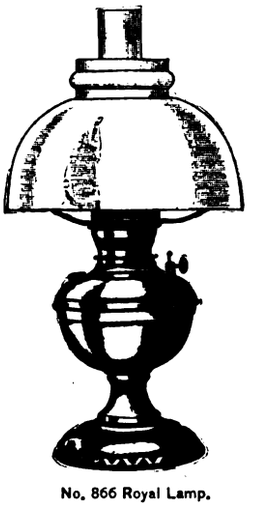
Patent Lighting Lift.

Shows Lighting Without Removing Shade or Chimney.

THE "ROYAL"

Has the *only* chimney lift which will stay in position while lighting the lamp.

It is the only lamp with the Ratchet Attachment to raise and lower the Draw Bar giving perfect control of the wick. It gives more light for the wick exposure and consumption of oil than any other lamp taking same size wick.



No. 866 Royal Lamp.

THE "BANNER" OIL STOVE.



Banner Stove. Height, 26 inches.

Will heat a room 15 to 20 feet square. No chimney. No smoke. No odor. Get one for your Bed, Bath and Smoking Room, Library, Nursery, Office or Conservatory.

SOLE MAKERS,

The Plume & Atwood M'f'g Co.

New York City. Chicago, Ill.

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THE ENTERPRISE M'F'G CO. of PA., Third and Dauphin Streets, Philadelphia.

CHERRY STONERS.

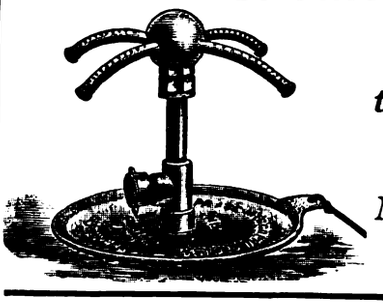


PRICES

No. 1, Japanned, $7.50 per dozen.

No. 2, Tinned $9.00 per dozen.

LAWN SPRINKLERS.



Indispensable to a Well Kept Lawn.

No. 1, $3.50.

No. 2, $2.75.

FRUIT & JELLY PRESS,

TINNED.

Invaluable for making Wines, Jellies & Fruit Butters.



Price, . $3.00

RAISIN SEEDER,

TINNED.

Will Remove Every Seed Without Waste.



PRICE.

No. 36, . $1.00

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

FOR SALE BY THE HARDWARE TRADE. SEND FOR CATALOGUE, FREE.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

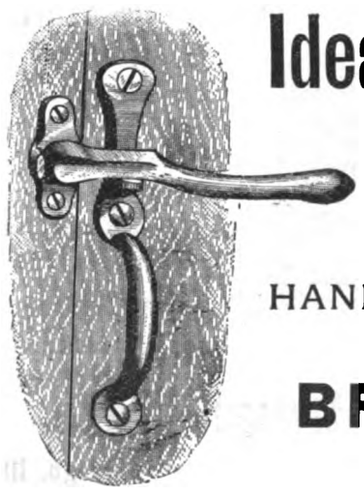
- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1342.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1864.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

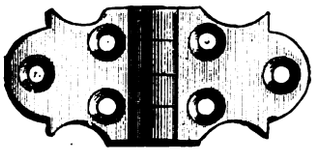
We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.



Ideal Refrigerator Door Fastener.

SIMPLE,
DURABLE,
PRACTICAL.



HANDLE AND WEDGE COMBINED.

MANUFACTURED BY

BRABSON BROS.,

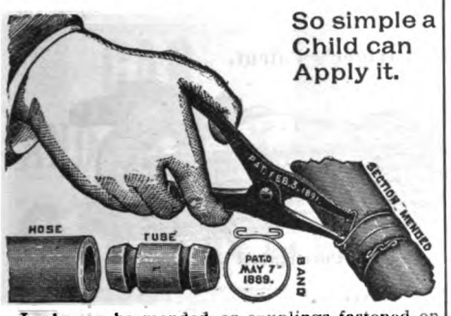
NEWARK, N. J.

We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

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Hudson's . . . .
Garden Hose . .
Mender . . . .



Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in hese goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

CLIMAX WATCH



FOR

$2.00

American
Lantern
Pinion
Stem Wind
¼ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE — THE

NATIONAL SAW CO.

GENERAL OFFICE— NEWARK, N. J.

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McParlin

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists



SOOTENE SERMON No. 4.

HOT, HOTTER, HOTTEST.

Yes, but that is the way a woman wants her fire in many instances. She can have such a fire if she will sprinkle a spoonful of ***SOOTENE*** over the burning coals, which will then glow with intenser heat. The sale of ***SOOTENE*** is rapidly extending and will soon be found in every kitchen. It is a

GROCER'S INVENTION.

Retailers who are not already familiar with ***SOOTENE*** should write for particulars to

ROYALL GIVENS,
Corpus Christi, Tex.

We want an agent in each State—where we have not already secured a representative—to sell Sootene. Sole control given to each agent by **contract.** While we prefer that wholesale dealer act as agents, we will not object to giving the agency to live, active jobbers.

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

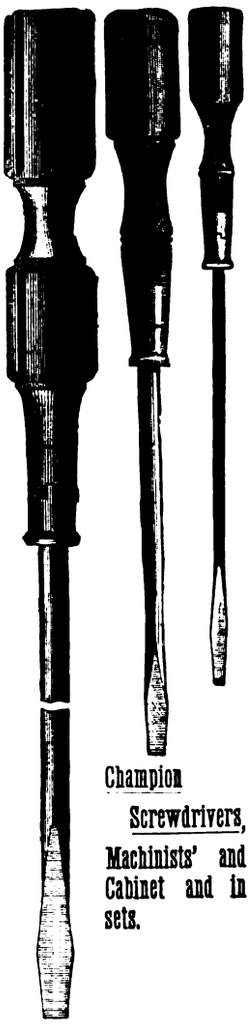
Models, Special Tools

And the manufacture of all kinds of

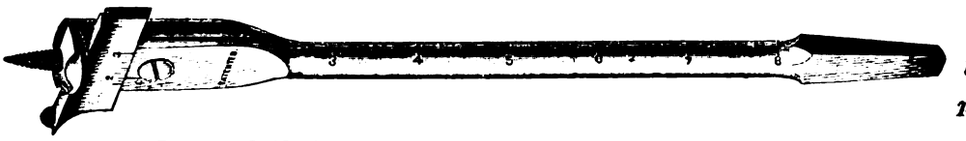
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

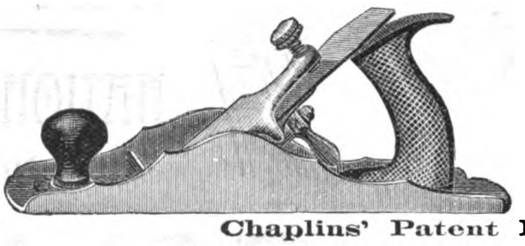


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

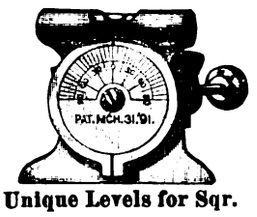
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

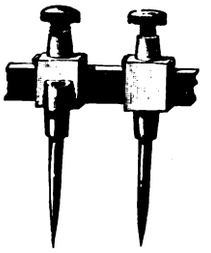
Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



Plumb Bobs and Trammel Points.



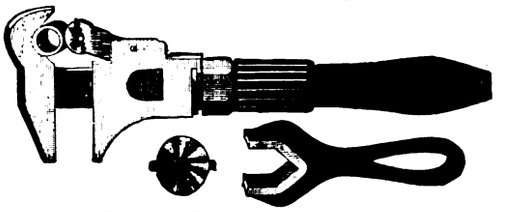




Mall Lamps and Oilers.



Stephen's Pat. Vises.



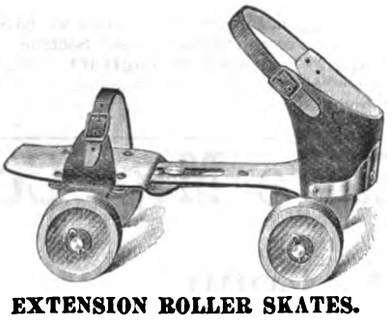
Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers **Padlocks, Police Goods, Etc.**

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



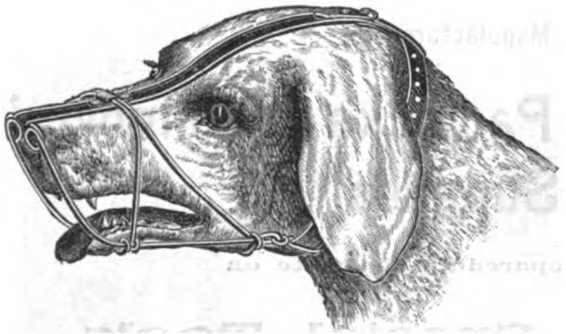
EXTENSION ROLLER SKATES.



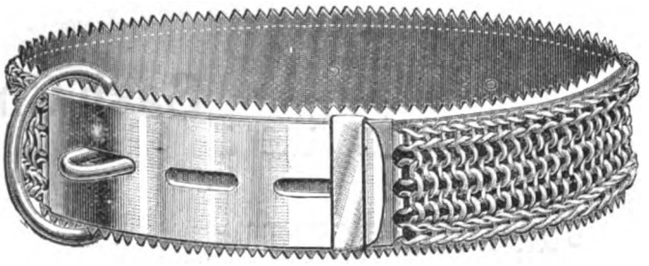
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

UNION HARDWARE CO.,

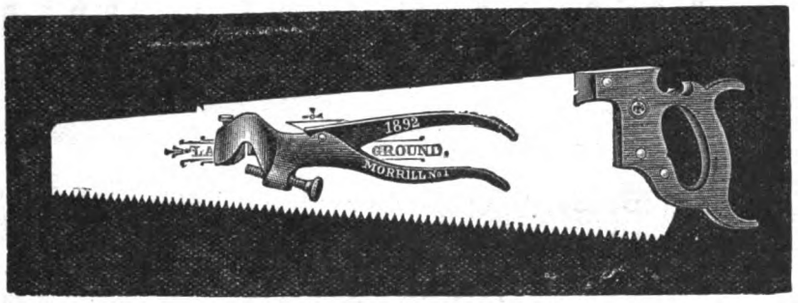
95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

New York Office in charge of TOWER & LYON.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind. BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original TUTTLE TOOTH, the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE ATKINS SAWS TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	⅛—¾	⅜—1	¾—1¾	1⅜—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.

The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.



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ARCADE FILE WORKS.

ESTABLISHED 1842.

ARCADE TRADE MARK

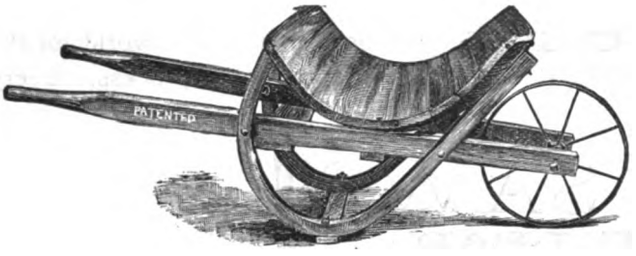
WARRANTED FILES AND RASPS.

EASTERN OFFICE, NEW YORK. FACTORY, ANDERSON, IND. WESTERN OFFICE, CHICAGO.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



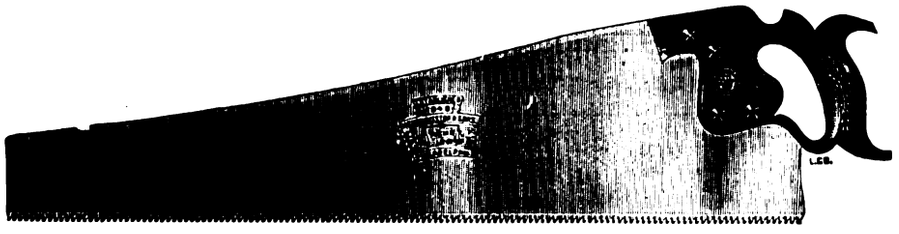
Wheelbarrows

of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

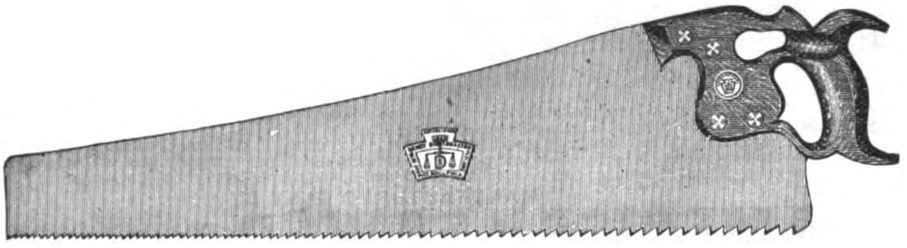
WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

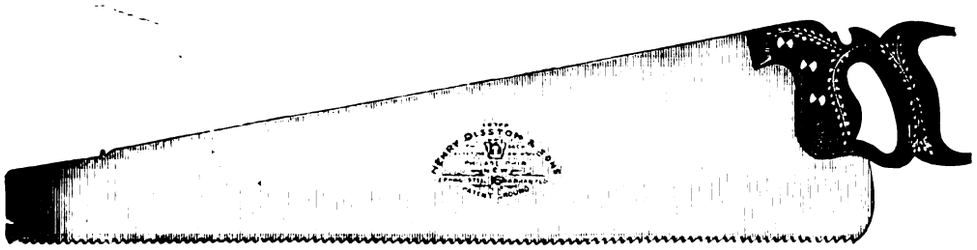


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

—EVERY SAW FULLY WARRANTED.—

Henry Disston & Sons,

(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

Carried in stock by all Jobbers.

NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

NICHOLSON FILE COMPANY

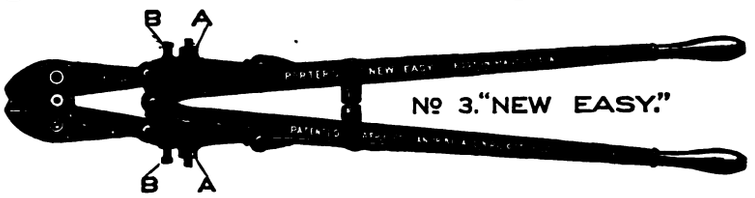
PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties, Increment Cut Files and Rasps.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

OHIO "WATER TIGHT"

STEEL MORTAR and BRICK HODS

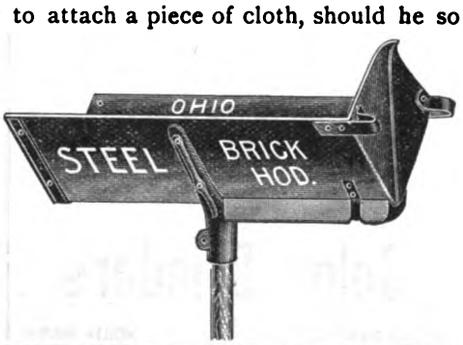


OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight" Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.

With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.

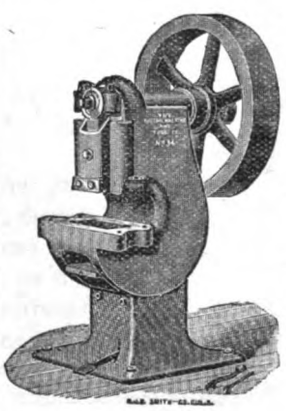


The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches,
Power Presses,
Straight Sided Double
Drop Pres
Embossing Presses,
Stamping Presses,
Riveting Machines,
Special and Automatic Machinery Dies
Write for Catal

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REMINGTONS FOR '95

have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:

MENS'

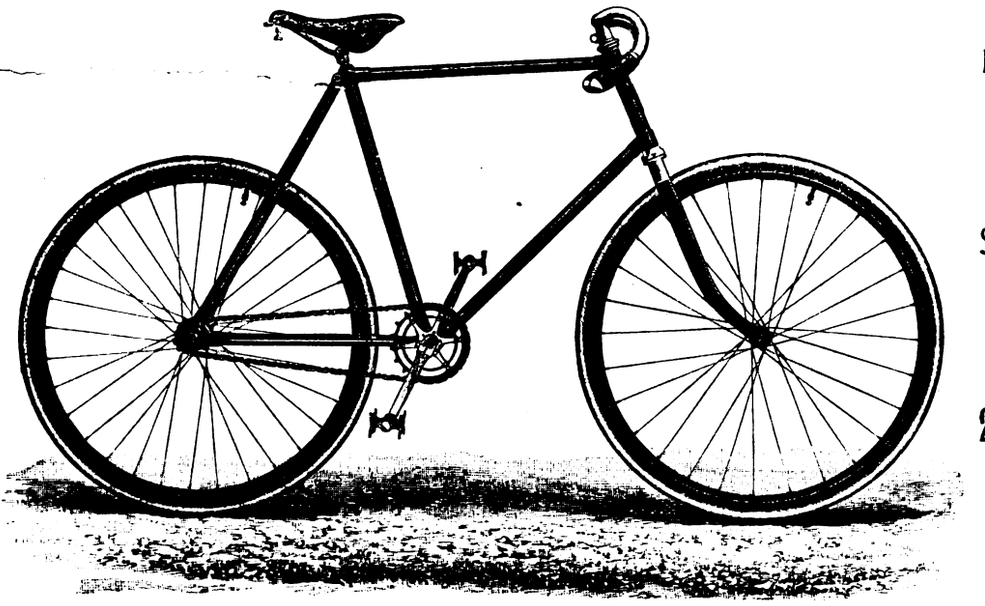
$100,

$90,

$75.

26 in. Boys'

$50.



PRICES:

LADIES'

$100,

$75.

26 in. Girls'

$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

Send for Illustrated '95 Catalogue free. Agents wanted in unoccupied territory.

REMINGTON ARMS CO., 313-315 Broadway, New York.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and ...man Silver and ...er Wire.

...F ALL KINDS.—:—

...Berden Primers, Shot Pouches.

URES.

...ASS WARES OF ...TION.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

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HARDWARE

VOL. XI. JUNE 25, 1895. NO. 6.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
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BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 109 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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Prices are going up. Wages are going up. Dealers are buying with new eagerness, and manufacturers are busy. A new note of pleased anticipation and hopeful prophecy runs through the letters of our correspondents in recent market reports.

Why Called "Crowbar?"

A correspondent of the New York *Sun* asks: "Why is a crowbar called a crowbar?"

The most obvious answer to this apparently foolish question would be: Because it *is* a crowbar. On second thought, one sees that the answer is not adequate, and the question not foolish. It is easily understood why the implement is named "bar," but why "crow?" The dictionary makers are silent as to the primal meaning or derivation. Webster says: "A bar of iron sharpened at one end, and used as a lever." The Century dictionary: "A bar of iron with a wedge-shaped end, sometimes slightly bent and forked, used as a lever or pry. Also called simply crow." The Standard dictionary: "A straight iron or steel bar, always flattened or squared, and sometimes bent at one end, often furnished with a claw at one end and a point at the other: used primarily as a lever." So far, so good. But none of them goes far enough.

We would be glad to hear from the philological savants of the Hardware trade. Where does the word "crow" come from, and what does it mean in this connection? Is it because the bar is black, or that its use enables man to crow over the forces of nature?

The correspondent who furnishes the most reasonable explanation will receive HARDWARE free for the coming year.

The Passing of the Horse.

The wonderful development of natural forces, as applied to the uses of man, that is going on so rapidly and relentlessly about us, causes many changes in the economy of civilization. In no direction, perhaps, is this more manifest than in the displacement of the horse. Any careful observer will note the quiet but great change that has taken place during the last few years, in relation to the practical uses of this animal—so long the ever necessary servant of man. It is clearly apparent that the day of the horse is about at an end.

For some time to come, a comparatively few may be used for convenience or as a luxury, but eventually, like the candle which we now and then see, he will practically pass out of sight. Evidences of this may be seen upon every hand. We hear the owners of livery stables bitterly complaining of the great falling off in their business. This is especially true in the country, where formerly the young men were wont to take their best girls out for a drive, or went in parties by themselves to favorite resorts.

Now all this is changed. Bicycle parties are the popular feature everywhere. In Chicago recently there were three thousand wheelmen in parade line; and it is estimated that in that city alone, there are fully one hundred thousand cycle riders. Multiply this fact by the country at large, and one can gain some idea of the present use of the bicycle as a means of transportation. Some may say that the present bicycle boom is but a passing craze. Any bicycle rider who has felt the exhilarating and health-giving results of cycle exercise, will soon dispose of such a supposition. No, the cycle will stay; progression is the law, and events do not move backwards. Still greater improvements are in store for the wheel, and a more extended use will follow.

The electric car has forever banished the horse car, even in the smaller towns of remote civilization. Many private teams that were formerly kept for family use, have been disposed of by their owners; some through timidity in consequence of the great danger in private driving among the electric cars and bicycles, and many because of the advantages from the numerous trolley and cable lines, or the preference of the younger members of the family for a wheel over a horse.

Electric car plants have become so numerous that it must be a pretty small place that cannot boast of an electric plant for light or car service. The signs of the times point to the electric buggy and other electric conveyances, as being near at hand. Thousands of intelligent minds the world over are intently studying electric phenomena, and some early day the world will be astonished by some lucky inventor, who will exclaim: "I have found it!" With a cheaper method of generating the current, or a more practical system of storage, will come the advent of electric conveyances of all kinds. The electric buggy is already in this country, and express wagons propelled by electricity

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have already appeared upon the streets of Paris. A significant hint is found in this news item, flashed from Paris only a few days ago:

The race of horseless carriages from Paris to Bordeaux and back, a distance of 750 miles, which was started at noon on Monday, was finished to-day and was won by Carriage No. 5, which arrived at the starting point in the Place d'Armes at 12.57 P. M., having covered the distance in a little over forty-eight hours. The winning carriage is constructed on the Pachard-Levasseur system.

The present price of horses shows the tendency of events; and those whose business is in any way connected with supplies for the horse, will do well to note the signs of the time.

In a recent number of *Munsey's Magazine*, we find these suggestive words:

The ordinary, everyday horse, is certainly doomed. The extent to which electricity has discredited and replaced him is exemplified by the fact that it no longer pays to breed horses that command but a moderate price. This assertion, startling as it is, is verified and even emphasized by the reports from different horse marts. It appears that last year the breeding of ordinary horses was discontinued all over the United States, and the majority of breeders have adhered to the same policy this season. Yet, in spite of the precaution, prices are steadily declining. At a recent sale in New York a team of six-year old cobs, warranted sound and kind, went for $120; a pair of large horses, having good knee action and being of excellent appearance, sound and kind, brought only $225, or $275 less than they were sold for two years ago. Machinery is responsible for this state of things—machinery driven by electric, steam, or cable motors. Of a total number of 11,030 miles of American street railways, over 5750 are operated by mechanical power, which propels 6732 electric, 3317 cable, and 1044 motor cars. A street railway concern generally engages ten horses for each car in use. It would, therefore, follow that by the introduction of the trolley and other mechanical devices some 110,000 horses were thrown out of employment—a number exceeding that now employed by street car companies in the United States by 20,000. Over one-half of the eighty street railway lines now in course of construction contemplate the employment of other than animal power. Five years more, and horse cars will be a curiosity in any but the smallest towns and villages of America. This is a remarkable achievement, full of promise from a sanitary and commercial standpoint, and one that speaks volumes for the push and energy of American inventors. While European engineers, as intimated, spent years of time and labor in constructing a one or two horse power vehicle—which we are about to adopt and convert to our own uses—we established the gigantic cable and trolley system that inevitably means death to all antiquated forms and methods of animal power.

Cabmen and liverymen will in the future drive and keep for hire motor carriages promising better profits and involving less risk. The expressman's and truckman's business will be reorganized on a broader, more economical, more humane basis. Our cities will be healthier, their suburbs more accessible. The horseless vehicle will be a genuine boon to civilization.

Russian Diplomacy.

The Russians have long been famed as a nation of diplomats, and what they fail to accomplish by force or intimidation, they bring about through statesmanship. Their latest apparent triumph of this character is embodied in a commercial treaty with Japan. The object in view is to do away with the successful competition of America in Japanese markets. The new ordinance provides that duties levied on petroleum imported into Japan shall be on volume and not on weight. Such a measure will offset the advantage hitherto possessed by American dealers, as American oil is lighter than the Russian product, though the latter is cheaper. American concerns are not afraid, however, as the treaty existing between this country and Japan bears the "favored nation" clause, and, no doubt, if American interests materially suffer through the ruling of the Russo-Japanese treaty, the State Department may be relied upon to promptly remedy the existing evil.

In connection with the recent legal victory of C. E. Jennings & Co., spoken of elsewhere, a few words about Hack Saws will not be out of place. Prior to Mr. Griffin's patent, all the Hack Saws were imported from Sheffield, and were costly affairs which were kept in condition by filing. Mr. Griffin's invention revolutionized this branch of saw manufacture. America now exports these saws to the country where she was formerly forced to buy, and there is practically no foreign competition in this line, the saws being used in England, Germany, Australia, South Africa, and many other places. The beauty of the Griffin Saw is that it can be used by anyone, and will saw brass, iron, steel, lead pipe and metals of all kinds. The blades were designed so they could be thrown away when dull, as a new blade costs less than the cost of sharpening the old one, and it would be impossible to sharpen an old one, as the blades are too hard for a file to touch.

At the annual meeting of the American Association of Tin Plate Manufacturers held recently in Pittsburg, the following officers and committees were elected: President, W. G. Graham; vice-president, Warner Arms; secretary, John Jarrett (re-elected). Executive Committee, Alfred Marshall, C. R. Britton, B. M. Somers, W. B. Leeds, William Banfield, T. K. Niedringhaus, W. C. Cronemeyer, George Greer and A. W. Brown. Conference Committee: W. G. Graham, Warner Arms, W. B. Leeds, George Greer, C. S. Stuart and J. V. Strawbridge.

We are in receipt of the "Hand Book and Catalogue" of the Master Builders' Exchange of the city of Philadelphia. The volume contains over 300 pages, embodying a brief sketch of the Master Builders' Exchange, its intents and purposes; the new Building law for Philadelphia and other ordinances relative to building, such as plumbing and house drainage, etc. This book will no doubt prove of inestimable value to builders, architects and all classes interested in that line.

The authorities of Fall River, Mass., cannot be censured too severely for not enforcing the law which provides for the inspection of boilers. Had this statute been rigidly enforced, the frightful explosion, which totally wrecked Langley's harness shop in that city and caused an appalling loss of life and destruction to property, would probably never have occurred. The engineer of the factory made the statement that the boiler had not been officially inspected in five years.

Treasury Department reports put the world's gold production for 1894 at $181,500,000, which is an increase of $23,000,000 over 1893. The silver product for 1894 was $214,000,000, an increase of but $1,000,000 over 1893.

It is reported from Ellwood, Ind., that a tin can factory, employing several hundred hands, is to be located there by Eastern capitalists.

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SOME BUCKEYE TOPICS.

EDITOR HARDWARE: We are now on the eve of an industrial revival. Times are getting better, and no mistake. Improvement is felt in all branches of the trade, and although competition is fierce and crowding, the leaders of the trade are evidently holding their own. If it were not for the coal and other minor strikes at the industrial centres of the State, very little complaining would be heard, for the trades people have resigned themselves to the inevitable, and know that prosperity will not come back at leaps and bounds, but at a graduated tempo.

The Cincinnati trade is reporting a good volume of business, local and outward. While movements do not come up to those of 1892, there is every cause for congratulation. The South and Southwest are buying more freely, and Ohio countryward shipments are also more liberal. It is true, in country places a conservative policy still prevails, i.e., there is a tendency to cover only visible wants; yet, on the whole, these wants make quite a bulky bill, owing to the animation of consumers.

Cincinnati plays now as ever an important role in the Hardware business. Its old houses, which have long achieved a national renown, have done wonderfully considering the inroads worked by vigorous rivals South, West and East. They have not only maintained their old relations with the neighboring States, particularly to the South, but established many new friendships. The influx of the newer patronage has impelled them to modernize their methods and premises. There is up-to-dateness wherever you may go now, and go-aheadiness seems to be the watchword all along the line. During the last decade scores of new stores have sprung up throughout the city and even in the suburbs, for the downtown capacity is necessarily limited. Despite the hard times, there have been few failures in Cincinnati. The smaller storekeepers are, of course, complaining of a steadily decreasing business, but this is a freak of the times. Everything seems to be drifting into the hands of the larger dealers, and you cannot really blame the public for it, and since the department stores have gone into the Hardware business, the little man feels the depression at a vital spot.

Ohio, outside of Cincinnati and Cleveland, the two great manufacturing centres and distributing points, is acknowledgedly a representative State in Hardware matters. It is full of vigorous little cities and towns, all of which control a good trade of their own, be it in general Hardware or specialties. Hamilton, Columbus, Springfield, Dayton, Toledo, Youngstown, Canton, Akron and a dozen of lesser places are each, individually, doing a business to speak of, and what they are doing is done on modern lines. Columbus and Toledo are holding a good country supply business the year round, and their dealers' stocks show that it is comprehensive as well as profit bringing.

Cleveland, the great iron mart of the State, should naturally be a leader in the Hardware industry, and so she is. Her wholesalers are covering the States and Canada in a thorough manner. Her manufacturers—and they are many—have little trouble to place their output. There are a great many specialties manufactured here that are in demand the world over, and she is still adding to her laurels. Cleveland has several hundred dealers, large and small, fifty per cent. of whom are substantial people. She also has her department stores, but the dealers are not afraid of them, simply because their enterprise is not appreciated by the better class of buyers.

Travelers from the East have often told me that, as a rule, the Ohio Hardwaremen are an intelligent and wideawake class of buyers, and clever people in general. They are right. When we take up the newspapers and periodicals and read their advertisements, we must but agree with them. Printer's ink has in a large measure been instrumental in the making of so many well-to-do Hardware dealers in this State. Then they are assiduous readers of their trade journals. An Ohio Hardwareman without some trade journal is as scarce as "hen's teeth." Of course, quite a few of them read publications of little worth, imparting little information and dishing up stale news, if news it be, but probably they have not learned of anything better. This may be the case, although there is actually no excuse for it. The advertising manufacturers are doing their utmost to get these people into the line of progress, and between them, the publishers and traveling salesmen, there is no crossroad. They must eventually capitulate.

Cleveland, Ohio, June, 1895. J. B. RINDFLEISCH.

The contract for the electric launches for the lakes at the Cotton States and International Exposition, Atlanta, Ga., has been let to Gen. C. H. Barney, of New York. The launches will be made of cedar, with oak frames and mahogany decks. Seven Venetian gondolas and one Venetian state barge will also be placed upon the lakes. These lakes, surrounded by terraces covered with running honeysuckle, and illumined at night by thousands of electric lights, will be one of the most beautiful features of the fair, and the electric launches and gondolas will afford a quick means of transit from one part of the grounds to another. Around the margin of the lakes, at vantage points, will be the landings.

The March-Brownback stove works at Pottstown, Pa., were destroyed by fire some days since. The flames were discovered about three o'clock, near a stairway leading from the moulding room to the second story of the building. The moulding building is a total loss, and many valuable patterns were destroyed. The large four-story wareroom, business offices, polishing, fitting and stock rooms were saved. The loss is estimated at $50,000, on which there is an insurance of $25,000.

The St. Louis (Mo.) Shovel Co. has announced to its employees that on July 1st an advance will be made of 10 per cent. in all wages. This action was unexpected by the workmen, who say they have had no cause for complaint and made no request for an increase. Great enthusiasm was shown in the factory when president Julius C. Birge made the announcement.

Cramp & Son, of Philadelphia, U. S. A., the builders of the United States mail steamers *St. Louis* and *St. Paul* are reported to be in negotiations with the same owners to construct a steamer capable of crossing the Atlantic in five days or less. Our American cousins are trying to "get on."—*Hardware Trade Journal, England.* You just watch them during the next year or two.

The Cooper Lamp Co., Westfield, N. J., incorporated. Capital stock, $75,000. The incorporators are Sherman Cooper and Enoch Richardson, of Westfield; Philip and Charles E. Hathaway, of Bergen Point. The company will engage in the manufacture and sale of a lamp patented by Mr. Cooper, and will have a branch office in New York City.

A receiver has been appointed for the Hubinger-Carroll Cash Register Co., of New Haven, Conn. The assets of the company are said to be $38,000.

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Fuel and Solar Heat.

If people were asked what warms our houses in these days of improved heating appliances, most would say, "It is heat produced by the combustion of fuel," coal or wood, as the case might be, and this would be correct, says an exchange. Occasionally one would be found who would say, "It is the heat of the sun," and this would be correct also. The fuel we burn in the present age has been produced in a past age by the action of solar heat, to which all known activities available to man for increase of his powers, his comfort, or his pleasure can be traced. Without the sun's heat the masses of luxuriant vegetation that have been transformed and stored up as coal in the earth would never have existed. Without solar heat the trees whose wood is used as fuel would not have grown. Recent experiments of Professor Dewar indicate that at temperatures so low that oxygen liquefies, chemical action either ceases or is so much diminished as to justify the inference that it would cease altogether at still lower temperatures. It is certain that all life, as we know it, whether vegetable or animal, would end at a temperature higher than is necessary to liquefy oxygen. Without the heat of the sun all things on this earth would soon reach lower temperatures than science has ever been able to produce artificially, and all life as well as all other forms of activity would terminate. If the ancient sun worshippers had even an imperfect idea of the part this great orb plays in the grand activities of the universe, they are not to be wondered at for regarding it as the source of all power and benificence, and adoring it as such.

Gas Stove Men Get Together.

A recent dispatch from Toledo, Ohio, says: The gas stove manufacturers from all parts of the United States met at the Boody House for the purpose of holding a meeting to take action in regard to doing away with the ruinous competition in the sale of gas stoves. The session was held behind closed doors, but enough leaked out to show that the manufacturers of gas stoves have decided to form a combination to regulate the manufacture and sale of stoves throughout the United States. The parties present hail from every portion of the United States from Maine to California. Among the list of those who attended the meeting were: William H. Emerson, Boston; George D. Becker, Chicago; F. L. Gordon, New York; C. L. Gordon, New Orleans; D. E. Cahn, Detroit; Stanhope Boal, Piqua, Ohio; C. E. Hawke, Buffalo, and about twenty others. A committee was appointed to arrange for the formation of the combination and to report to the manufacturers at a future meeting. It is stated that the capital involved in the proposed trust will aggregate $9,000,000.

Knife for Anglers.

A Sheffield manufacturer has brought out a knife that is taking well among English fishermen. It is composed of a strong blade, scissors, corkscrew, leather borer, saw and bait disgorger, and a particularly useful combination at the end, whhich constitutes the principal feature of novelty in the knife. In case the fisherman desires to weight his line, an easy method of slitting the shot results from placing it under the sharp cutter provided for the purpose, when, as the lever is pressed into place, it makes the pellet ready for the gut, with a nick of exactly the requisite depth. Then instead of closing the shot round the gut, as so often has to be done, by biting between the teeth, it is moved to the extreme end of the knife and adjusted, and is shut by the pressure of the lever in a minimum of time. The lever serves the purpose of nippers, but is equally useful, when closed, as a hand vise for wrapping or fly making. The knife is not ungainly in size and it presents an exceedingly handsome appearance.

Michigan Hardware Association.

It has been definitely decided that the meeting of the Michigan Hardwaremen for the purpose of forming an association, will be held in Detroit, on July 9th. Such responses have come from the various parts of the State as indicate that the gathering will be large and representative. Headquarters will be at the Hotel Cadillac. A standard rate has been secured from the railroads of one and one-third for the round trip, on the condition that there are one hundred representatives at the meeting, and that each, when buying his ticket at the starting point, secures from the ticket agent a certificate for endorsement at the meeting. It seems almost incumbent upon every dealer in the State to be present, as the occasion is one of great interest to the trade in many ways. Details of information can be obtained from F. S. Carlton, Carlton Hardware Co., Calumet. Mich.

A Material Extension.

The Wire Goods Co., Union Street, A. W. Parmelee, president, has prepared for a very material extension of its business, the change, in fact, doubling its existing floor space. The new space will be taken July 1st and consists of three floors of the building, No. 16 Union Street. This four-story building was bought by the Wire Goods Co. about a year ago, The corporation also owns the old White factory which joins it on the south, and thus with its main factory on Union Street, owns an entire block or square. The fourth floor of the building, No. 16 Union Street, is now occupied by John E. Wakefield, the wrench manufacturer, and he will remain, but all three remaining floors will be used by the Wire Goods Co. for the expansion of its growing business. Already these two buildings have been connected by three steel bridges, one from each story, and each directly above the other. The bridges were built and set up by the Berlin Bridge Co., East Berlin, Conn., and are extremely neat affairs, as well as strong and serviceable.—*Worcester (Mass.) Gazette.*

Old Proverbs: Modern Applications.

"Never bite off more than you can chew." One never knows how much he can really take care of until it is bitten off.

"It's a long lane that has no turning." The straight lane is the best, after all.

"Too many cooks spoil the broth." Better too many cooks, than too little broth.

"Every dog has his day." Too many of them prefer the night for their musical exercises.

"The child is father to the man." Too often his boss, also.

"Children and fools always tell the truth." That proves they are fools and children.

"It's always darkest before the dawn." That gives the old man a chance to get into the house safely.

Department Storekeepers Indicted.

The Grand Jury has indicted eleven of the heads of the large department and dry goods stores of this city, for selling bogus silverware stamped "Sterling" or "Coin." If these dealers knew that they were handling spurious goods and wilfully deceived their patrons by using the "Sterling" mark, no punishment can be too severe for them, as the offense is as flagrant as counterfeiting. Thirty-two samples of silverware collected at haphazard were examined and tested by the United States Assayer. Of this number, only one sample reached the standard required by law, i.e., .925. Five obtained the average of .900; one showed only .0004, and some had no silver whatever in their composition.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.—II.

The town of Grange contained some fifty stores, located upon the two main streets, which ran at right angles with each other. They ranged in size from the big dry goods store upon the main corner, to the little groceries and meat shops near the depot. It was a bright day in winter upon which I set out upon my quest, and as the town was full of country visitors, the scene was very attractive to the boy in cowhides and Kentucky jeans, who hoped that the beginnings of his fortune lay near at hand.

I walked the whole length of Market Street, and then down Main, unable to decide which place offered the surest promise of success. I had felt as large as my fellows at home, but had dwindled several sizes since entering Grange. Of course, no one gave me a second thought, but it then seemed as if all the spruce young people and the solid old ones who happened to look in my direction, were wondering where the new specimen of "gawk" had come from. My feet and hands had developed in size; my coat had grown rusty, and trousers too short. My heart stood still at the mere thought of marching into one of those busy and attractive places, and boldly offering to become a part thereof.

An hour spent in looking through store windows and dodging from opening doors, was valuable in the teaching of humility, but brought me no nearer to a situation. I believe I would have gone home without the trial, and perhaps devoted the rest of my days to hay and cordwood, had it not occurred to me that diplomacy might accomplish that which mere courage was unable to attempt.

The sheriff of the county was a big-bodied, big-souled fellow who had once lived in our town and knew me well. Any service he could render, I knew would be gladly given, and the thought was hardly formed before I was looking for his office, in the lower corridor of the court house.

The sheriff was in. His greeting was cordial, his interest warm, and promise of assistance readily given. "I don't know just where to look," he said, "but I'll go over and see what can be done. You come back in an hour, and I'll report progress."

At the expiration of the specified time, the now hopeful youth was on hand, and listened to the report. "There is a dry goods store across street, Samson & Crown, who think they will need a clerk in about a month. One of their boys intends to leave. You go over and ask for Mr. Samson, and tell him I sent you. If he likes your looks, you stand first chance, on his promise to me. Don't be too pert with him, and don't stand with your finger in your mouth. Now run along, and good luck go with you."

Mr. Samson, who was a middle-aged bachelor, was found back by the stove reading his newspaper. He talked with me for a long time, asking a great many questions, and giving me some good advice, and at last said: "You go home, Henry, and I will see what we can do for you. One of our young men is talking of leaving, for the study of law, and we may call upon you. Give me your address, and if we need you, we will let you know by mail."

It was an anxious month that followed. The mail came once each day by wagon, and the bag was hardly in the office before I was before box 65, to see if "Rodney" would drop a letter for me. Many came to my father on business matters, but none for me; and I began to believe that the fortunes of Samson & Crown would complete themselves without me.

One rainy day a yellow envelope was handed out. My heart beat rapidly, as I saw that it was for me, with a Grange postmark. I sat down upon the bench on the post-office porch, and read, as near as I can now recollect, words like these:

Dear Henry: We have a vacancy now, and have concluded to give you a trial. Mr. Laird says you are honest and capable, and your chances with us will depend upon yourself. We will pay you $100 for the first year, with your lodging, board and washing. Please let us know if you still desire to come, and if so, be on hand about the 15th of February. Yours respectfully,

SAMSON & CROWN.

Many letters have fallen into my hands between that day and this—some freighted with pleasant things and more with tidings of loss or sorrow—but no one of them has so stirred and excited me as did this. It was read three times at that sitting; twice on the way home, and over and over to the folks at home. Then it went the rounds among my schoolmates, and my little brothers began to look up to me as one set aside for important things. Upon the whole, I did not feel very small myself. I will never forget the hearty good will with which Mark Rowland received the news of my fortune, and the generous wishes with which he speeded me upon my way.

(A word of digression here. These details, taken actually from the life of a country boy who has passed on into a commonplace man, are not penned for those who have found some royal road to wealth and honor. I have felt that they might touch a sympathetic chord in the hearts of some men who have traveled a like road; recall to more than one the boyish hopes, the aspirations, the privations of early life. And there is another class whom I would reach —the young clerks who read HARDWARE, and who may find in the failures of one of their kind, a warning against such courses as will lead to like failures upon their part.)

My father preserved a non-committal silence through all this excitement. He did not give his consent, nor did he refuse it. My mother grieved not a little to think that a second of her sons was to leave the home-nest over which she brooded with such loving care, but from the first I knew that her judgment and sympathies were with me. The younger boys, Frank and Charlie, received with scorn unutterable any suggestion of refusal; and so, in the evening of this fated day, I sat me down by the kitchen table, and wrote my reply.

Two weeks were yet to elapse before the time set for departure, but on the following morning I drew from its corner in the attic the family trunk, and began to pack. The boys were on hand, with ready willingness to lend a hand. We carefully dusted it, inside and out, lined it with a loose newspaper, and then looked about for the goods with which it was to be filled.

The labor of packing was not as great as these preparations would seem to imply. I possessed two shirts, but as I was wearing one, and the other was in the wash, neither was available for our purposes just then. The trousers I had on were too old and worn for the larger demands of Grange, and so took no part in our inventory. (They were afterwards cut down for Charlie.) I had a special pair of cassimere, for Sunday wear, and these were carefully folded and laid upon the bottom of the trunk, unmindful of the fact that they must come forth for the next Sabbath wear. With these went a pair of blue army cloth (cut down to my size) that my cousin had given me when he returned from the war; in my innocence I felt that as long as the cloth was good, nothing could be said against the brightness of their blue. A half dozen books, a bundle of trinkets, and a photograph album, made up the sum total of my goods, as my boots, hat and coat were needed for immediate use.

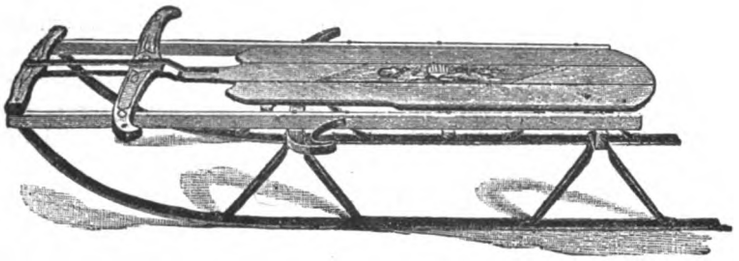
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There was a great deal of expansive emptiness about that trunk when we shut down the lid.

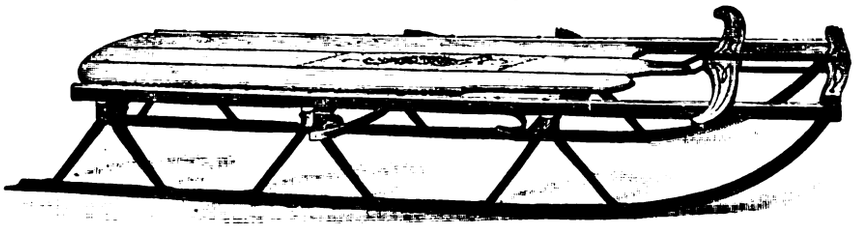
Two weeks will slip away, even when an impatient youngster is watching their slow departure. There came, at last, a crisp morning in February, when the old gray mare and buggy were brought around to the door, the trunk strapped on, farewells said, and the journey of life commenced. A near-by chum, George Strohm, had volunteered to go along and bring the traveling outfit home. A drive of three hours saw us at the door of Samson & Crown, and when my trunk was slipped under a back counter, and I had seen George through his dinner and started for home, I felt myself indeed a citizen of the world, and turned to the mysteries of store-keeping with a zealous enthusiasm.

S. L. Allen & Co. Getting Ready.

S. L. Allen & Co., No. 1107 Market Street, Philadelphia, are very busy filling orders for their famous "Planet Jr." line, and have about all they can handle. Although it is



still early in the season, they are already beginning to think of their sleds for next winter—their "Flexible Flyers," "Flyer" Sleighs, and "Flyer" Coasters. The demand for these goods for immediate shipment is not very heavy; they are already beginning to receive enquiries for prices and information from jobbing houses, and their travelers will soon start out for an active canvass. These goods gave such excellent satisfaction last year that they will make



comparatively few changes, except that they will very considerably improve the finish. Prices and discounts will remain the same as last year. We show a couple of their "Flexible Flyers" in this connection.

Prince Wells' Cycle Derby.

On July 4th Prince Wells will hold his Fourth Annual Cycle Derby at Fountain Ferry Track, Louisville, Ky., and a ten-mile handicap road race over the Southern Parkway. One of the features of the meet will be a Gold Brick Race, the prize to be given consisting of three gold bricks valued at $150, $75 and $25. Competition record must be beaten, or it will be declared no race. Entries to handicap close on June 26th. Entries to other events close on July 1st. The prizes offered in all the events are varied and valuable—bicycles, watches, silver cups, diamond cuff buttons diamond rings, bicycle suits, etc., etc., being found among their number.

Something About Honolulu.

Oliver Bros. give us some very interesting extracts from a letter of a business friend in Honolulu, Sandwich Islands. The correspondent says: "I reached here recently, and am delighted with the place. The climate is lovely and the society charming. It well merits the name of the Garden of Eden of the Pacific. I went to church one Sunday, and never saw such a mixed congregation. There were Chinese, Japanese, Portuguese, Kanakas, Germans, Italians, and, in fact, all the nations on the globe were represented. Most of the natives are Catholics." The Sandwich Islands would, no doubt, prove an ideal country for a good many of us to reside in, especially those of us who were born tired, as they seem to have one round of holidays there. The correspondent continuing, says: "Four steamers touch at Honolulu a month, and for the five days following it is impossible to do business. From two to three steamers ply between the islands a week, and on those days as well as Saturdays when the business houses close at twelve, it is impossible to see a business man. There are about three working days in each week. Nearly all the Honolulu houses are represented in New York, Boston, San Francisco or Liverpool."

Roads in Europe.

To an American visiting Europe there is nothing more impressive than the general excellence of the roads. Their climate is more rainy than ours, and their roads, under the same conditions, would probably be even worse than those usually met with in America. But in England, in France, in Germany, and in Switzerland, everywhere one goes, the excellence of the roads is a constant source of surprise to one visiting those countries. During the last summer it was my fortune to take a long drive in the Alps. The party was made up of six persons. A coach was employed for the whole trip. We were thirty-three days in the coach, and during that time we went over four of the great passes and traveled nearly a thousand miles. But the matter of chief significance to those interested in good roads is the fact that, although we drove from twenty-five to fifty miles a day for more than a month in these mountainous regions, the whole trip was done with one team of horses. No change was made, and none was needed. More than that, it was our opinion that the horses were in better condition at the end of August than they had been at the beginning of the trip, a little after the middle of July. Could there be any more significant commentary on the quality of the roads? What would be the condition of a team of horses in midsummer in America, which had been driven over mountain roads at the rate of twenty-five to fifty miles a day for six days in a week?—*C. K. Adams, Ex-President of Cornell University.*

A Victory for C. E. Jennings & Co.

In the United States Circuit Court of Appeals, the case of Henry G. Thompson and others, against C. E. Jennings and others, for infringement of patent, has been decided in favor of the defendants, the decree of Judge Lacombe of the District Court being affirmed with costs. In this case it was sought to restrain C. E. Jennings & Co. from selling the well-known Griffin Hack Saws. G. W. Griffin & Co., who were the real defendants in the case, originated the high-tempered Hack Saw blades now in general use throughout the country.

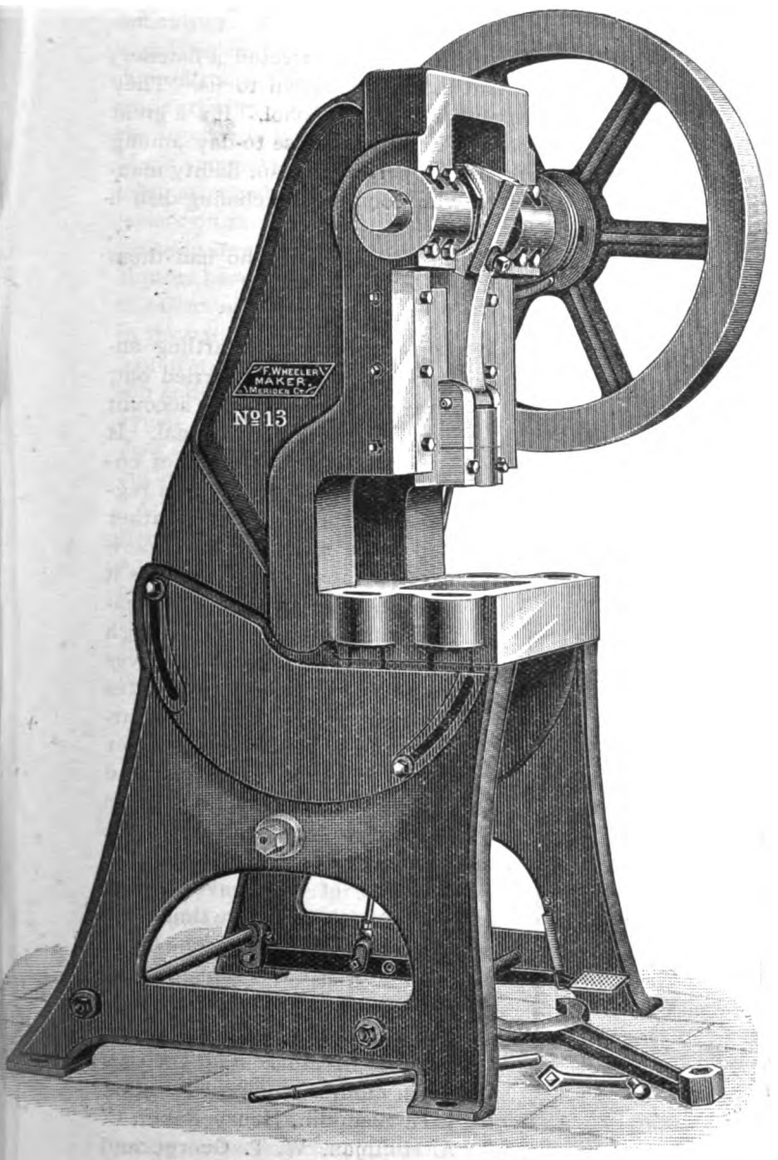
Foote, Brown & Co., Penacook, N. H. HARDWARE Publishing Co.: Enclosed find check to pay our subscription to HARDWARE for one year. It is a pleasure to receive your paper, and we always find something that is a help to us in its columns. Your market review is good, and would like a little more of it.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed a new boiler house roof for the Stanley Works, at New Britain, Conn.

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The New Wheeler Press.

The new Wheeler Press, with Wheeler's patent solid pitman, here shown, is manufactured by Frank Wheeler & Son, Meriden, Conn. It has a double clutch mechanism, automatic brake, and positive stopup action. The clutch, as well as the adjustment, is an entirely new style. The makers say that in offering this new Press, they feel confident they are offering "a machine in every point without a superior, and in many respects without an equal. Its conception and construction was the result of concentrated thought and numberless experiments, extending through a term of years, by a thoroughly practical mechanic, who being thrown into everyday contact with machines of this character, became thoroughly acquainted with the defects



existing in them and was therefore eminently fitted to produce a machine which for points of excellency and durability we do not hesitate to say stands obviously pre-eminent among its contemporaries." In detailed description of the Press they say: The incline adjustment is a new and valuable feature. Among the various devices now in use for adjusting the punch in a pitman press or a press in which motion or force is communicated to the punch from a crank through the intervention of a pitman and gate or slide, are notably the screw and nut or eccentric at the top or bottom of the pitman, and the ratchet or V thread screw clamped between strapped ends at the top and bottom of the screw; any and all of which have served well in the art of press building, impressing the builder with the wants and requirements of a perfect machine. The screw or nut arrangement answers very well for light work; but for heavy pressure, the strain coming all on the threads of the screw, it will not stand for any length of time. Another device is to place an eccentric ring around the crank pin, which is clamped by a screw in the top of the pitman. This, also, when subjected to heavy strain is liable to, and often does, give great annoyance by slipping. Numberless other arrangements have been brought forward, only to develop some new fault equally as serious. By placing a sliding box on the top of the pitman, Mr. Wheeler wholly overcomes all of the objections existing in prior devices. The solid pitman is so arranged that all the strain and pressure comes upon solid metal; the lower end of the pitman being seated in the solid metal of the slide or gate, and not resting upon a screw or pin. The great adjustment of which this arrangement admits without weakening any of the parts of the Press is a feature to be considered. It is also very handy for adjusting the punch to the die, as by simply turning a screw after loosening the clamping nut, the box is easily moved up or down the incline to the desired position, making one of the finest and most delicate adjustments in use. The pressure at the time when the Press is doing its heaviest work is brought squarely upon the end of the pitman, thereby relieving the adjusting screw and clamping nut from all strain, and entirely obviating the tendency to slip or strip the thread of the screw. The double clutch is another very desirable feature of this new machine, since by its use the cramping, wringing and twisting tendencies common in clutches where the contact is made at only one point is entirely obviated. By using the double clutch two points of contact are made simultaneously, on directly opposite sides of and in and near the centre of Press shaft. This is an entirely new style of clutch mechanism. The automatic brake is another and desirable feature embodied in this machine. By its use the Press is stopped—not suddenly with a jolt and jar, as in other machines of this class—but gradually and so easily that not the least unevenness is perceptible in the running of the machine. The brake is perfectly automatic in its operation and needs no attention from the operator. The brake is so constructed as to take up all wear automatic self-oiling device, and needs little or no attention. Still another point of advantage is that there is no drag on the shaft when the Press is running. No occasion to screw up the gibs so tight upon gate or slide as to cause them to grind. The positive stopup is also a new and valuable feature, as by its use it is impossible for the Press to rotate a second time accidentally. It is simple, durable and effective, automatic in its operation, and requires no attention on the part of the operator. The slide or gate is provided with extra long bearing surfaces and is adjustable for wear. The workmanship and material are both first-class in every respect, and we do not hesitate to say that this Press is one of the most perfect machines of its kind ever produced.

We are in receipt of a sample Stove Polishing Mitten from the Michigan Stove Co., who manufacture the Garland stoves and ranges. The company have arrangements with the manufacturers of these gloves, that will enable them to supply their customers with quantities at the small outlay of four cents each. The company state that they cannot accept an order for less than 100 with card printed on. As far as we can judge, not having had a large amount of experience in polishing stoves, these mittens should prove very useful, and by using one the hands can be kept clean.

Electricity is now used to seal cans of fruit and preserved meats. A conductive layer is formed on the lid of the can and a metal coating deposited by the ordinary methods of electro-plating. The process is also being applied to the sealing of bottles of wine, beer or chemicals.

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Hardwaremen, and Screens to Order.

A. J. Phillips & Co., Fenton, Mich., report that their department for "making screens to order" has been liberally patronized this year by many progressive Hardwaremen. They are at present full of orders for fine screens made for good residences, which have come through the Hardware trade. They further say: "While it entails some little trouble in measuring residences and putting up work, there is nothing in the screen line that is so satisfactory and pleasing to the customer when the job is once in place, as these fine screens, and as they yield good profits, the dealer is well repaid for his trouble. Thus far we find that every progressive dealer who has taken hold of this sort of work continues to send us orders. We think that the handling of fine screens by the Hardware trade is now in its infancy, and that in a year or so that trade will be as much interested in it as dealers now are in handling bicycles. We are pleased to say that our general business is also very good and that we never had anything start so easily or sell in such large quantities the first year as our new Flyer screen which we introduced the past season. The jobbers, retailers and consumers seem to be taken with it at sight, and select it from among other patterns."

Some New Ice Tools.

The James W. Eustis Co., No. 19 Pearl Street, Boston, are making some fine new things in Ice Tools for house use. The accompanying cuts explain the goods to some extent.



The ice hatchet is three tools in one—an ice chisel, ice pick and hatchet combined. The picks are oil tempered and finely nickeled. The sliding ice pick is especially good. They would be glad to send sample dozens, or in larger quantities.

Mission of the Chafing Dish.

"The mission of the chafing dish seems to be in the direction of light housekeeping," said a man who deals in the new fad, "so many people buy them to cook lunches and suppers in their rooms. Five years ago we had a single order for a chafing dish, and there wasn't a man jack of us knew what the thing was. Now we have them as high as $35 each, and not silver at that."

"What is their special use?"

"To cook Welsh rarebits at midnight, so far as I have observed, although some people make the same use of them they would of a small cook-stove. It is an old fad revived. I wouldn't be surprised to see warming pans coming in next."

"We couldn't keep house without a chafing dish," remarked a young man, taking a small package from his pocket. "This is a little volume of recipes that I bought to-day for my wife. Last night when I went home the table was laid, and the chafing dish stood in front of my wife on the tray, and a delicious steak came off. She put on a pudding which cooked while we were eating the steak. It's the greatest invention of the age."

"It isn't an invention of the age," interjected a listener; "it's an old roysterer that has come down to us. They used to burn oil in it, and we burn alcohol. It's a great convenience, and there are hundreds in use to-day among people who like to cook late suppers in a clean, dainty manner. I know of travelers who consider the chafing dish a part of their outfit."

"All the same, it's a fad," said the man who had them for sale.—*Detroit Free Press.*

"Engraving by dynamite" is a somewhat startling announcement. And yet this process is actually carried out, if we may rely on the account given in a technical journal. It appears that this method of engraving is not adopted as a regular trade process, but is rather used in the nature of an experiment by those whose business it is to test the strength of dynamite, gun cotton, and other high explosives. Fresh plucked leaves are placed between two plates of highly polished steel, and cartridges are exploded on the upper plate. The recoil is so great and sudden that the upper plate is driven downward with such force and rapidity as to catch exact impressions of the leaves before their delicate ribs have time to be crushed by the force of the blow.

The Trenton (Mo.) Handle Mfg. Co., which has been operating as a private firm for the past seven months, composed of Col. J. H. Shanklin, Henry Baker, C. A. Hoffman, W. T. George and N. Shanklin, will resolve itself into an incorporated body. The corporation will be capitalized at $10,000, and the stockholders will be J. H. and N. Shanklin, W. T. George and Henry Baker. The company have lately made a valuable addition to their buildings by the erection of a large and commodious packing room.

"Jim, wot is steam, anyhow?" "It's a sort o' waporous sweat wot the millions of hanimalcula wot's in the water throws off in their hanguish at bein' scalded to death!" "What a gilly I am! I might ha' knowed as much."—*Exchange.*

HARDWARE is printed for men now on earth.

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PRACTICAL TALKS TO HARDWAREMEN.

PICTORIAL WINDOW DISPLAYS.

The difficulties in the way of combining articles of Hardware in figures intended for Window Display, are hardly appreciated by any but those who have "been there." It seems easy enough to say "use such and such an article for this or that," but to get the best article for each part, perhaps a dozen or more suggestions will be tried before securing the right thing.

In arranging a display of "pictorial representation" to be made of builders' Hardware, we discovered a few such difficulties. It was intended to have a large panel, nearly eight feet high by four feet wide, as a background for the main display, this panel to be covered with designs in Hardware articles. It was plain sailing, making a telephone, for the top of the board, of a door bell. A file handle painted black connected to a chalk line made the transmitter; a knob attached to a piece of bent wire made the crank; gilt letters on the box read "Ring up 91." It was also easy to make in large letters below the 'phone, out of chain bolts, shutter bars, sash hooks, etc., "For 1895 Hardware," while to fasten on each side of the board fancy hinges, and butts in the various finishes, was purely mechanical. The trouble began with the centre piece; this was separated from the top and sides by bronze sash chain, and represented a bicycle. The spokes were wire 20d. nails, tires of coiled door springs, sprocket wheel, a brass screw pulley, with screw cut off, connected to the other wheel with brass jack chain.

One of the articles suggested for the handle bar was a wire ceiling hook. We even got so far along as to put on it a coating of aluminum bronze, before discovering the difficulties between a "full face" and a "profile" view. Then the seat! The board stood nearly a day before we could think of what to use. Then the thumb piece of a thumb latch was cut off close to the pin hole, and we had a first-class saddle.

It is not to be wondered at that a display requiring much work, should stand for some time. We used our panel in various combinations and positions for nearly two months.

"OUR LADY CUSTOMERS."

In order to be prepared to supply the wants of a community, that is, to get all the business you can, it is important to know the class of customers that come to your store, and also the proportion of men, women and children.

If the men are the principal customers and every inducement and attraction made for them, the wants of others are often ignored, and, because the proportion of ladies is smaller than that of the men, their trade is apt to be undervalued.

Our eyes were opened to the importance of this question while discussing the advisability of having a working display of certain cooking utensils. We objected to the traveler's proposition on the ground that not enough ladies came to the store to warrant the undertaking. It was finally decided to record the number of people who entered the store in a given period of time, and classify them. A boy was stationed in a convenient place to keep the record.

The afternoon of a certain Friday in May was selected. Between 2.30 and 3.30 the record showed a total of 40 people, composed of 26 men, 5 ladies, 9 boys.

In the evening of the same day, between 7 and 8, the total was 67—28 men, 14 women, 17 boys, 8 girls. While on Saturday morning from 9.30 to 10.30 the total ran up to 82—53 men, 14 women, 10 boys and 5 girls.

In the study of these figures, one's curiosity was excited as to the kind and quantity of goods in demand by the ladies.

An investigation revealed a surprising number among the ladies of what may be termed "business women"—women who, having property in their own name, attend in person to all the details connected therewith, from questions of taste, as selecting shades of paint, to questions of utility, as in choosing trimmings in Hardware for a house; proving in the conduct of their business affairs very desirable customers; generally knowing what they want, although, of course, not familiar with the technical names.

"I would rather," remarked a salesman, "sell Trimming Hardware to a woman who does not know the difference, by name, between a butt and a strap hinge, and who does know what she wants when she sees it, than deal with a man who, knowing a *little* about names and terms, thinks he knows it all."

SHOP MAN.

Where They Learn to Ride.

Now that the New York Four Hundred have so unhesitatingly endorsed the wheel, a few lines regarding a leading cycle school should not be amiss. In the beginning of the season Spalding's Cycle Academy was located in the Roof Garden at Madison Square, but now the summer season being here, the Roof Garden is wanted for a different kind of attraction. This necessitated a removal to the amphitheatre, which is much better fitted for the purpose. Those who wish to be up-to-date and do the proper thing, are rushing to be instructed, and daily large crowds may be seen endeavoring to maintain their equilibrium astride the silent steed. The patrons of the Garden school keep thirty-six instructors very busy. Old and young, great and small, all seem to have gone daft on the subject of wheeling. At the school a check system is in operation. One who wishes to receive instruction procures a check, and waits till his number is called, and is then entitled to a half hour's instruction. Some pupils frequently have to wait until night before their turn comes around. It may not be flattering to the vanity of the lords of creation to know that the ladies always learn more readily than the men. Some of the stout people say that they ride to reduce their weight, while their thinner companions take this form of exercise to develop themselves more fully. It is a poor rule that won't work both ways. Very few of the ladies affect fancy costumes, most of them preferring a suitable serge skirt. One can learn to ride in five lessons if instructions are followed closely. The secret lies in confidence; the person possessing the most of the quality will ride first. Many think they know it all, until they get on the wheel; this class prove the hardest to instruct, and others think they will never learn. Pupils may be seen spinning around the Academy floor, apparently knowing how to ride with the best, but as soon as they essay to ride on the street, the confidence deserts them and they get rattled.

The Norwalk Tramway Co., Norwalk, Conn., have placed an order with the Berlin Iron Bridge Co., of East Berlin, Conn., for a car barn 45 feet in width and 160 feet in length, constructed entirely of iron.

The contract for the steel bridges for the Central Railway & Electric Co., New Britain, Conn., for their various extensions, has been placed with the Berlin Iron Bridge Co., East Berlin, Conn.

The large nail mill belonging to Ellis & Lessig, Pottstown, Pa., has been working overtime. The prospects for a busy season this summer are good.

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Corner Desk and Credit Man.

The Man at the Corner Desk of W. Bingham Co., Cleveland, discourses this month in these words:

I told the W. Bingham Co.'s credit man the other day that I wanted to say a word to the trade for him. He looked up from his work a moment, said: "Well, tell them I'm busy," and resumed his inspection of a pile of statements.

The credit man of every large house is a hard worker, and he gets about as much appreciation from the general public as the stage villain. He comes out strongest and makes himself most prominent when things go wrong, and by his efforts to protect his house it is not unseldom he is blamed for creating a condition of things he most deplores. The letters he writes are mainly about overdue accounts, and unpleasant features attending collections, and all things considered, it is perhaps not strange if he is made the target of considerable ill regard. At the same time, the honest merchant who will keep his agreements has no better friend than this same credit man. He has but little chance to show his kindliness, for beyond the formal acknowledgment of remittances he has but little communication with such customers, but it is with peculiar satisfaction that he stamps the orders as all right and notes the remittances and friendly letters. He can and does very often do such customers a good turn, for the credit man of one house is constantly in receipt of inquiries from other establishments concerning the standing of firms about the country seeking to open accounts, and his good or bad report is accepted at its face—but the customers never hear of it and do not know the extent to which they are indebted to their city friend, the credit man.

He makes mistakes, of course, though not often, and it is impossible not to fall into error sometimes where there is such a field to be covered, where everything is so largely a matter of personal judgment, and where the major portion of the questions arising demand instant decision; indeed, it is a matter of congratulation that the mistakes are so few. Conflicting and indefinite reports must be reconciled, and he must often gather by a process of induction—by reading between the lines of a letter, or from trifling occurrences which to others would have no meaning—facts which an untrained man would miss. He must know of local financial disturbances and crop failures—just the section affected and to what extent; he is anxious to ascertain the moral risk—the character of the men whose accounts he handles—for this is becoming more and more an important factor in business; he is obliged to know the collection laws of various States, and if a woman owns an interest in a business her exact position in the firm is in some States a matter of close consideration; he has a general idea of the condition of all the running accounts on the books of his house, and this alone requires no small amount of application if his house is of the size of the W. Bingham Co., with its thousands of active accounts. There are easier berths in the world.

Artists' Loan Exhibit.

The Artists' Loan Exhibit at the Hardware Club Rooms is a fine and varied one, many of our best artists having numbers among the collection. It well pays one to take a trip in the Express elevator to the fourteenth floor, where he can feast his eyes, and also the inner man, the Hardware Club offering unexcelled facilities. The following is a list of the pictures to be seen:

No. 1—"Vase of Double Cherry Blossoms;" No. 2—"Basket of Purple Lilacs" (oil); No. 3—"Basket of Daisies;" No. 4—"Rose of Sharon and White Clematis" (oil); No. 5—"Jack Rose and Lime Tree Blossoms;" No. 6—"Climbing Roses;" No. 7—"Basket of Sweet Peas;" No. 8—"Purple and Wild Clematis;" No. 9—"Vase of Nasturtiums;" No. 10—"A Bunch-of Hydrangea;" No. 11—"Orchids with Humming Birds;" No. 12—"Box of Pansies;" No. 13—"Basket of Chrysanthemums Overturned;" No. 14—"Double Cherry Blossoms" (oil); No. 15—"Peonies with Bumble Bees;" No. 16—"White Daisies with Larkspur," by Paul de Longpre.

No. 17—"Bacchus;" No. 18—"Old Man," by Miss Shippy, daughter of Henry L. Shippy.

No. 19—"The Last of Summer;" No. 20—"Drinking Scene;" No. 21—"The Foragers;" No. 22—"On the Farrington River" (Alderney), by E. A. Moore.

No. 23—"Road Scene, Sunlight on Road;" No. 24—"Raquette Lake;" No. 25—"Winter Scene;" No. 26—"Lake Mohonk;" No. 27—"Road Scene with Rooks;" No. 28—"In the Naugatuck Valley;" No. 29—"Moonlight;" No. 30—"Moonlight on Lake Minnetonka;" No. 31—"Coming Home at Evening;" No. 32—"Forest Scene, Lake George;" No. 33—"White Birch, Lake George;" No. 34—"Lake George, in the Narrows," by N. A. Moore.

No. 35—"Dordrecht Cathedral;" No. 36—"The Meadows," by Max Bohm.

No. 37—"Moonrise in the Dunes;" No. 38—"The End of October;" No. 39—"The Woodcutter's Home;" No. 40—"Harbor of Etaples, Moonlight;" No. 41—"Daylight and Firelight;" No. 42—"Summer Sunlight;" No. 43—"Harbor of Etaples, Evening;" No. 44—"Wheat Stacks, Early Evening;" No. 45—"Windy Evening," by L. P. Dessar.

No. 46—"Niagara Falls," by D. C. Fabronius.

These pictures are subject to sale. Information as to prices may be obtained in the office.

High Grade Cotton Buffing Wheels.

Divine Bros., Chadwicks, N. Y., have certainly won great success in their manufacture of high grade Cotton Buffing Wheels. They are preparing for the erection of a new plant, which they refer to as "being the only one of its kind in existence devoted *exclusively* to the production of a full line of high grade Buffing Wheels." They add: "That we are producing the best Buffing Wheels on the market, is undeniable, and we are educating the trade up to the fact that we are occupying a field that has as yet never been occupied by any one in all the years that such goods have been in use."

They are sending their friends an attractive book, 11x7 inches in size, with heavy covers and gold lettering. It can hardly be called a catalogue, but more than that, as the book is made up of sample sheets of the goods they use, attached to each of which there is a page giving sizes, prices, etc. Their motto is: "The quality controls the price."

The Bicycler to His Wheel.

Come, rouse thee, rouse thee, horse of steel,
Be swift, thou gallant steed;
Who strides thy slender flanks must feel
The wild delight of speed,
The swirling ether streaming past,
The tingle of Night's kiss,
The biting tonic of the blast
And motion, motion's bliss!

'Tis dawn; across the bare, brown hills
The cold, bright sunlight beams,
In white and yellow paints the rills
And fills the wood with gleams.
On—while the sun his magic wields,
Up hill, and down the steep
To the long valley, where the fields
In level reaches sweep!

On city streets, in country lanes,
He loves his trusty friend
That neither falters nor complains,
Tho' journeys never end.
On, wheelman, on! Thy triumphs are
As yet just begun;
Wheel on, wheel ever—and thy star
May yet shine like a sun!

—*New York Recorder.*

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

"Syracuse" Twist Drills for Metal.

The Syracuse Twist Drill Co., Syracuse, N. Y., are successfully placing upon the market the "Syracuse" Hot



Forged Twist Drill for Metal, which is forged hot in one piece from tool steel of the first quality. The makers speak in the strongest terms of its strength, toughness and wearing quality, showing that it is accurate in size, and of the highest finish. They tersely say: "Send a trial order, and you will want more." They will be pleased to furnish prices and all needed information upon application.

Bundy Giant Pipe Hanger.

The Giant Pipe Hanger herewith shown is suitable for all the purposes of pipe hanging usually found in steam plants. It is made adjustable to any length required. It is simple in construction and easily attached to floor sills or wooden beams by the simple lag screw arrangement shown in Figs. 1 and 2, the first of which shows the hanger closed, the other showing it open, with the different parts separate. The wood screw is easily attached to floor sills or beams and the nut on the lower end, to which the hanger is attached, is capable of giving closest adjustment. For attachment to iron sills a clamp is used, as shown in the cut, Fig. 3. These hangers are made stronger and heavier than any other device for similar purposes without the use of surplus material, and they are so simple in construction that they are easy to handle and there are no parts to give out. They are adjustable to any length, the screws being easily ex-

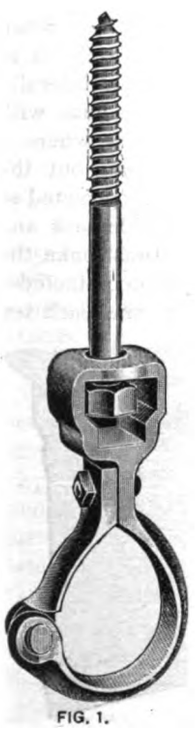


FIG. 1.

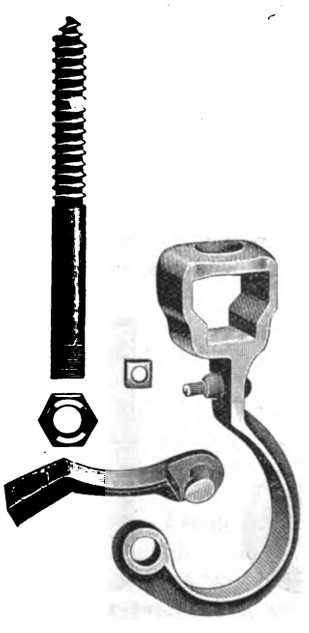


FIG. 2.

tended by the use of pieces of pipe, for the lag screws are fitted at the lower end with pipe thread. The stirrup is made to open and admit the pipe. This part is locked while at its highest or lowest point of elevation, but at an intermediate point can be opened to move the pipe. When the stirrup is closed the nut locks it at the top and at the same time draws the movable part against an incline around the screw bolt, making it rigid and tight, preventing any

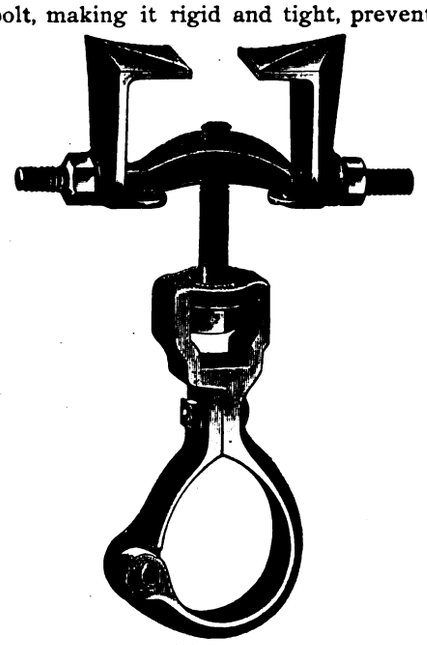


FIG. 3.

rattling noise from the vibration of the building or steam pipe, and causes both sides of the stirrup to sustain equally the weight upon them. The iron beam clamp is adjustable by means of the horizontal pipe to fit any size of beam. When attached to an iron beam the strain comes in a vertical line and is distributed equally in all parts. There being no small bolts used in this, the grappling parts avoids any weakness of construction or liability to break. Altogether this hanger includes all that is desirable in such a device and will fully serve every purpose for which it is intended. It is manufactured by the A. A. Griffin Iron Co., Jersey City, N. J.

The Columbia Kitchen Spoon.

The Columbia Kitchen Spoon, a new and handy article for the kitchen, in the Hardware line, is just now being put



FIG. 1.

on the market by M. L. Schoch, manufacturer of patented novelties, No. 47 North Tenth Street, Philadelphia, which he calls the Columbia Kitchen Spoon. Every housekeeper has experienced the difficulty in dipping thick and heavy substances that stick to the bowl and require an extra spoon or knife to clean it. To overcome this inconvenience, is the object of this Spoon, as shown by the accompanying illustrations. The Spoon is provided with a scraper which lies flat against the back of the bowl when not in use, as in Fig. 1. After dipping, the scraper is pushed forward, as in Fig. 2, by means of the little cross handle (which may

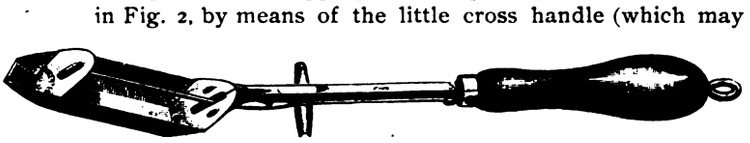


FIG 2.

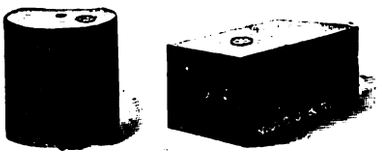
be used either right or left handed), and the contents discharged. As said before, the Spoon is more particularly intended for anything thick and heavy that is liable to stick

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to the bowl, as ice cream, puddings, batter, etc., but can also be used for any of the ordinary purposes of a basting spoon. As an ice cream Spoon alone, it is a cheap and convenient article for family use, as the shape of the bowl makes it particularly handy in cleaning the sides and bottom of the freezer. The Spoon is made in two styles, tinned and nickel-plated, and sells for twenty and thirty-five cents, with liberal discounts to the trade.

Some First-class Springs.

Perhaps no class of springs is submitted to such severe usage as those used in stone challenging machines. The



New Jersey Car Spring & Rubber Co., Jersey City, N. J., make for this purpose a special grade, using only the very highest class of material, and the utmost care in construction. They say: "With a perfect knowledge of the very severe work to which these springs are subjected, we have no hesitation in guaranteeing them. As manufacturers of springs, we are the oldest in the trade, having begun this work in 1858, and naturally have a very large assortment of



moulds—the most complete in this country, we think. Parties who desire odd-shaped moulded goods, will find it to their interest to communicate with us, as we can frequently save them expense by using moulds from our stock." Illustrations of both classes of goods are here shown.

Expansion Hitching Ring Bolt.

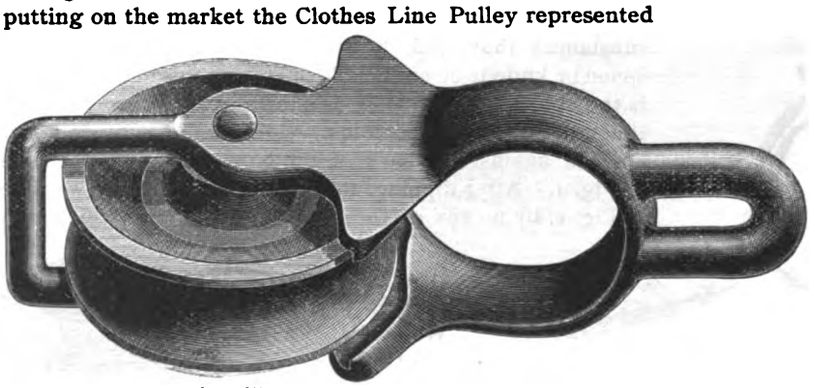
Among the numerous novelties having expansion as a part of their construction, the Steward & Romaine Mfg. Co., Philadelphia, have added that of an Expansion Hitching Ring Bolt. The architect and builder, in his construc-



tional work, as well as the horseman and stableman will, in the use of same, find many merits of this fastening over the expensive mode as adopted at present in hitching horses. Its economy and easy application, being easily removed, and attached elsewhere if required, are great points in its favor. Its entire security as a fastening, its strength of resistance to draught, are only a few of its merits. Prices and catalogue furnished on application.

Clothes Line Pulley.

Sargent & Co., New Haven, Conn., and New York, are putting on the market the Clothes Line Pulley represented



in the accompanying illustration. This pulley has a large opening above the wheel to allow a knotted rope to pass through freely. It has also a guard to prevent the rope getting between the wheel and the case. Should the rivet wear out or loosen and thus allow the wheel to drop, the wash cannot fall to the ground, as the loop below the wheel prevents the rope from getting away. The pulley is made 2-inch, japanned and galvanized.

Joiners Rapid Clamp.

The illustration herewith represents a Clamp made by the Sam'l C. Tatum Co., Cincinnati, Ohio. It is entirely of iron and steel, and of quite modern type. The bar is smooth, without notches on either top or bottom, so that the tail stock or sliding part can instantly be set against the



work. The tail stock is released by simple pressure on the trip lever shown, so that the quickest possible action is secured. The bar is made to pass through the head piece, retaining its full strength, and lessening the possibility of breaking. One peculiar advantage of the Tatum Clamp is that the bars are made interchangeable. The head piece is secured by a bolt, which can easily be removed, and longer bars, if desired, set in, so that a workman having both long and short work can be well equipped by buying the shorter Clamp complete, and with it, a set of bars of the longest make. The Clamps are made in ten sizes, running from 15 inches to 8 feet. The 15 to 24 inch sizes have 3-16 inch by 1⅛ inch steel bars, crank handle, and ½ inch screw, and are designed to be carried in any tool chest. This pattern is made in four sizes to open 15, 18, 20 or 24 inches. A much heavier and more powerful Clamp is made for large work, using ¼ by 1½ inch steel for the bar, with ⅝ screw and crank handle. This pattern is made in three sizes, opening 3, 4 and 5 feet. For car works, and other requirements where an especially strong and long Clamp is needed, they also furnish a still heavier Clamp, with steel bar ⅜ by 1½ inch, the screw and other parts being proportioned. This pattern is made in three sizes, 6, 7 and 8 feet.

Flush Door Hangers.

The Coburn Trolley Track Mfg. Co., Holyoke, Mass.. are placing upon the market a Flush Door Hanger, which, when closed, is shown in this connection. They describe it as "the only track that allows door to open and shut laterally on hanger so that when closed the door will be flush with opening." Is especially adapted for stable doors, where it is desirable to have the same shut tight, keeping out the cold and wind. The petticoat on the door is constructed so as to allow the pendant from the trolley to slide back and forth, so as to carry the door in flush, and thus make the opening perfectly tight. One set for single door includes petticoats, pendants, roller-bearing trolleys, one each top



FLUSH DOOR CLOSED.

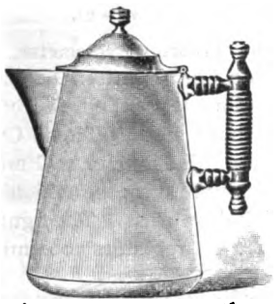
and bottom castings for front side of door, lock and handle. Hardware dealers having barn door track and extra track brackets in stock can fill orders for flush doors any time by

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simply ordering sets for flush door hangers, which will be furnished as above indicated.

The Erie Cast Aluminum Coffee Pot.

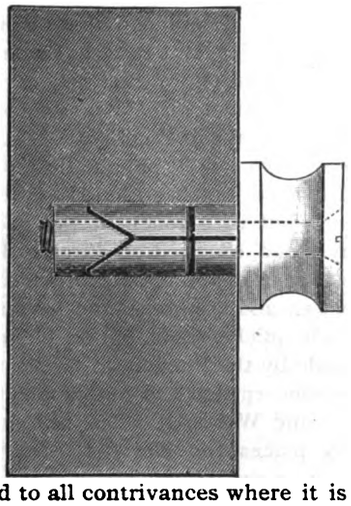
The Griswold Mfg. Co., Erie, Pa., are manufacturing a line of aluminum cooking utensils among which is the Coffee Pot, here illustrated. A feature of this pot is the fact that



the spout and strainer are cast on the pot in one piece. The hinge is described as being especially strong, being cast half on the cover and half on the pot, and is machined out to make a perfect fit. There are no seams or rivets anywhere on the article, and it is polished inside and out, the outside resembling silver. Some of the advantages in using aluminum ware are: its freedom from poisonous properties and the rapidity with which it heats. The pot comes in three sizes, 2, 3 and 4 quarts.

Expansion Bolt, for Switch Board Purposes.

The Steward & Romaine Mfg. Co., expansion bolt manufacturers, of Philadelphia, are supplying the electrical trade with a Substitute Fastener on Switch Boards which is, it is said, much easier applied and answers the purpose better than the old way. The cut herewith shows full size bolt and knob attached to a 1¼ slate. It is only furnished in brass. They furnish the bolt without knob. This bolt



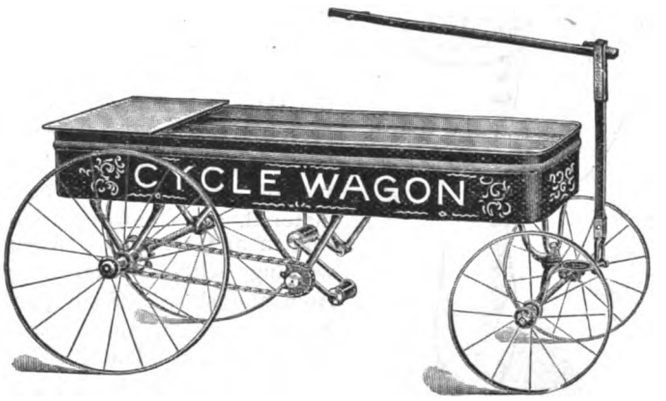
may be applied to all contrivances where it is necessary to fasten up to marble or slate. They are a great help to the plumber and steam fitter in his work fastening up wash-stands, etc. Catalogue sent on application.

The Geuder & Paeschke Mfg. Co., manufacturers of tinware and sheet metal goods, Milwaukee, Wis, are doing an exceedingly large business in their galvanized iron ware department this year. The ware is made from sheet steel, and thoroughly galvanized afterwards, thus making it very strong, durable and absolutely rust proof. They have lately added to their assortment a line of Bailed Galvanized Garbage Cans, which are finding much favor with the trade. These cans are made in three sizes, so arranged as to nest closely, and are offered at prices that will allow dealers a handsome profit.

The Coldwell Lawn Mower Co., Newburg, N. Y., have been awarded the contract to supply the government with a large number of their improved mowers. They are working night and day to turn out the goods.

Spangler Cycle Wagon.

There is always something new under the sun. A pointed illustration of this fact is found in the Spangler Cycle Wagon, being placed upon the market by the Quadruped Novelty Co., Canton, Ohio. Its style and method of operation may be learned from an examination of the accompanying illustration. In a detailed description, the makers say: "The Spangler Cycle Wagon is made of the best material and constructed mechanically after the most approved methods. The axles are of the best steel, with spindles milled and fitted by special machinery. The wheels are steel, reamed for neat fitting and easy bearing, and will carry with safety 300 pounds. Brackets and supports are all of the best malleable iron, carefully fitted. Pedal cranks are of Bessemer steel, formed with dies made for the purpose. The wagon is propelled by pedals connected with the rear axle by sprockets and chain, thus providing a movement that is easy and powerful to propel on



ordinary roads. The guiding device is simple, being a joint or hinge in the middle of the tongue, allowing it to turn back over the body, within reach, so that the rider can guide with ease and safety. The size of the body is 15x36 inches, firmly and neatly made, and painted in various colors. There is a trap lid in the bottom, which being lifted provides a seat for the rider, leaving an opening in the bottom for propelling. The front wheels are of a height to pass under the body for short turning. These wagons are attractive and are fairly bounding into popularity. With children they are the accepted pastime. They combine all the features of a plain wagon and a tricycle. For utility, pleasure and amusement they excel all. No dealer will err in catering for this favorite of the youth."

At the annual meeting of the stockholders of the Savage Repeating Arms Co., Utica, N. Y., the directors made a report as to the financial condition of the company, after which Richard S. Reynolds, Denver, Col., Edwin H. Risley, Utica, William H. Patten, Canastota, Milton E. Robinson, Utica, and Harry C. Stone of Oneida were made directors for the ensuing year. The officers elected were: President, Richard S. Reynolds; vice-president, William H. Patten; treasurer, Edwin H. Risley; secretary, Harry C. Stone. The company will place the gun on the market during the present month.

Superintendent Wrigley, at the Carnegie mills, Beaver Falls, Pa., has confirmed the rumor that the Carnegie Co. will at once rebuild the burned nail mill on a much larger scale than the former plant, and with an increased capacity. The increased price of nails has induced the company to rebuild and operate the mill.

W. W. Lawrence of the W. W. Lawrence Co., Pittsburg, Pa., has taken a well earned vacation, and has left for North Cape in the "Land of the Midnight Sun." E. W. Bliss, of the E. W. Bliss Co., Brooklyn, N. Y., left on the same steamer.

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ILLUSTRATED BICYCLE NOVELTIES.

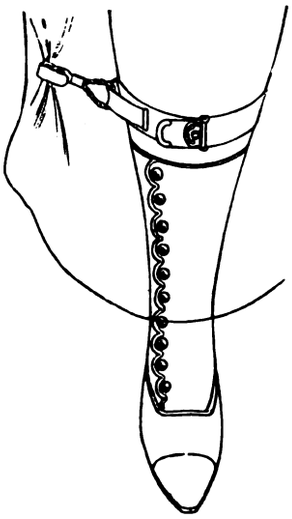
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

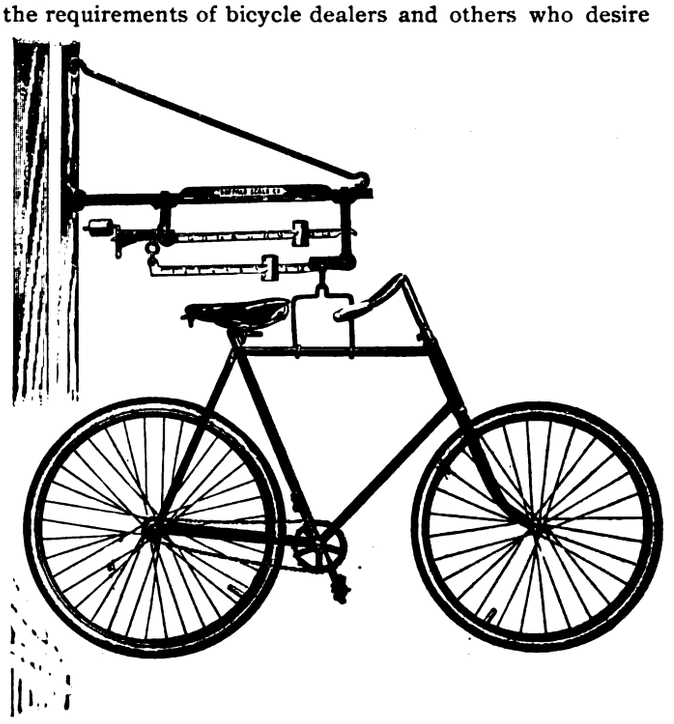
Peterson's Bicycle Skirt Holder.

H. S. Peterson & Co., No. 112 Clark Street, Chicago, are manufacturing and selling a Bicycle Skirt Holder which should prove a boon to lady riders. The manufacturers say that "when this Holder is worn, it is impossible for the skirt to creep or blow up, and gives the wearer a feeling of security in regard to the skirt, which is fully appreciated by the rider. These Holders are invisible and adjustable, are made of the best material, are comfortable to ride in and convenient when walking without detaching from the skirt." Each pair is put up in separate boxes, nicely labeled. The illustration gives the reader a clear idea of how they are used. Price $4 a dozen, sample by mail fifty cents.



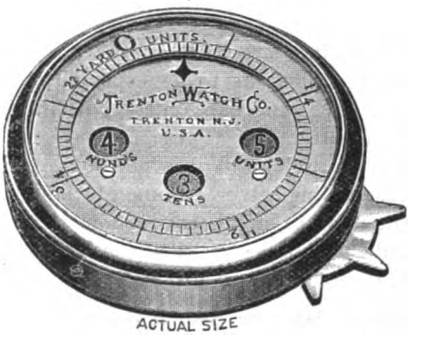
Bicycle Scale.

The Buffalo Scale Co., Buffalo, N. Y., have just put on the market the Bicycle Scale here illustrated. The capacity of this scale is from 1 ounce to 110 pounds. It is described as strictly high grade, and is put on the market to meet the demand for an absolutely correct and convenient Bicycle Scale. This Scale has been constructed to meet the requirements of bicycle dealers and others who desire to determine correctly the weight of their wheels. The beams and poises are brass, nickel-plated; the whole contrivance is handsomely finished. The scale is also arranged with a strap so that ladies' frames can be weighed as readily as a gentleman's. The hooks for holding the frame are covered with rubber tubes, so there is no danger of marring the frame when weighing the wheel.



The Trenton Cyclometer.

The Trenton Watch Co., Trenton, N. J., have just placed on the market a Cyclometer called the "Trenton," illustration of which is seen here. These Cyclometers have satin finished aluminum dials which will not break or crack, and have a polished aluminum case which weighs but one-third as much as nickel or brass. The figures can be readily seen from the saddle. It registers 1000 miles and repeats.



The following points of excellence are claimed for this Cyclometer by the manufacturers: small size, handsome appearance, absolute accuracy, strength and durability, noiseless and positive action, extreme lightness, weighing but 2¼ ounces, and dust and waterproof. Price, $2.

Novel Stone Cutting Tool.

P. R. Condon has just completed at his works on Broadway one of the finest air plants in New England for operating the greatest invention in his line of business—the "pneumatic and electric tool." The air compressor was built at the Clayton works in Brooklyn, N. Y., and can furnish air to operate six or eight pneumatic tools. Each tool under a pressure of 45 pounds strikes the cutting tool 12,000 blows per minute, but by a touch of the operator can be reduced to any speed required on different kinds of work. These tools do a great deal finer work than can be done by hammer and chisel, and are great time savers, as the work can be done much quicker than by the old method. The machine was made by the Pneumatic & Electric Tool Co., of New York, a concern that has put in plants at Quincy, Ill., Barre, Vt., and Westerly. The introduction of this tool in this city places the Norwich Steam Marble and Granite Works on an equal footing with the largest and best concerns in the United States for lettering, carving and finishing all kinds of stone. The reputation which this concern enjoys will be sustained now that it is equipped with all the up-to-date improvements. The tool in operation and the finished work is well worth seeing.—*Norwich (Conn.) Record.*

The Canton (Ohio) Brass & Aluminum Co., one of Canton's flourishing factories, are manufacturing a class of goods that sell fast notwithstanding the hard times. The company are in new quarters built especially for them at No. 56 East Fifth Street.

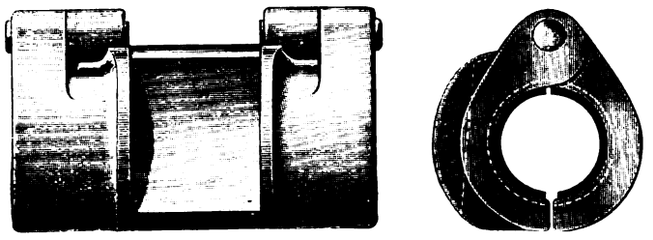
S. J. Reckendorfer, secretary of the American Lead Pencil Co., New York, is in London for a few days on his way to the Continent, where he will remain for several months, stopping in London on his way back to America a few months hence.

The Cleveland Rolling Mills Co., Cleveland, Ohio, have voluntarily advanced wages 10 per cent. in all departments.

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Hall's Elastic Pipe Clamp.

An admirable device just put upon the market by Samuel Hall's Son, of No. 229 West Tenth Street, New York, is shown in Fig. 1. It is known as Hall's Elastic Pipe Clamp, and is used in connection with Hall's Improved Pipe Wrench, recently brought out by the same firm, "supplying a long recognized need for a good and reliable tool to work very thin and highly polished pipe or tubing without marring or crushing it. These clamps are made of cast iron, and have an elastic rubber lining, ⅛ of an inch thick, which conforms readily to any irregularity in size or shape of pipe and prevents slipping and marring the pipe when screwing it into place. They grip with so little pressure that the work can be screwed up by hand without using the wrench up to the last one or two turns. When used with the Hall Wrench they release their grip by the reverse motion of the wrench, and move with the wrench at the next forward movement, gripping the pipe readily. The wrench need not be removed from the clamps until it has done its work, and the pipe is in place." Users are advised by the manufacturer to always place the wrench on the clamps with the hinges of the clamps on the bottom of the jaw, and the flat side of the clamp next to the end of the hook; then close the wrench on the clamp and work the handle of the wrench in the opposite direction to gripping a pipe or screwing up a nut. To reverse the motion of the pipe, reverse the position of the wrench and clamps on the pipe. The clamp grips the pipe best, when the lower wrench jaw comes in contact with the clamp, as shown in the cut. The Hall Elastic Pipe Clamp is made for all sizes of pipe or tubing within the capacity of the Hall Wrench. A finely illustrated brochure containing detailed description, price list, etc., of this new tool, is issued by the manufacturer, and may be obtained without cost, upon application.



SIDE VIEW. FIG. 1.—HALL'S ELASTIC PIPE CLAMP. END VIEW

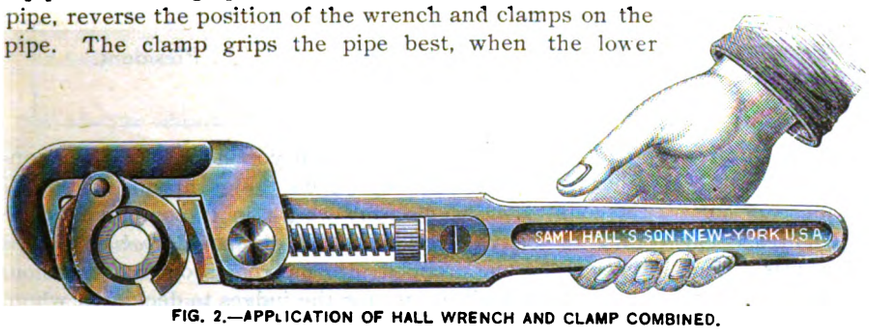


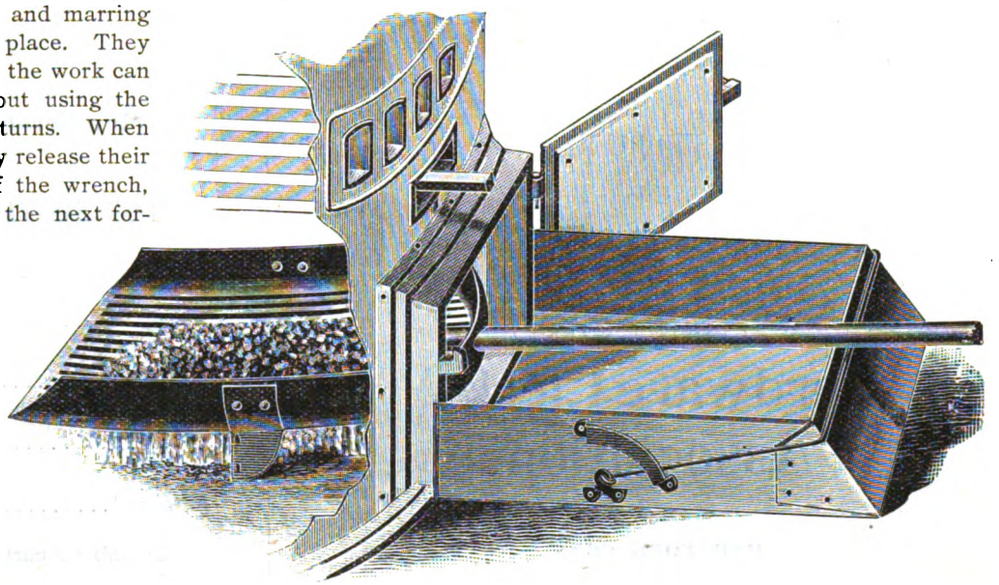
FIG. 2.—APPLICATION OF HALL WRENCH AND CLAMP COMBINED.

A Silver Question.

The Holmes & Edwards Silver Co. wish to announce to the many people who are using their silver-plated ware, the following: The silver inlaid in the back of the bowls and handles of spoons and forks is 925-1000 fine, as indicating the standard of Sterling Silver. The trade mark stamped on the Sterling Silver Inlaid goods is "E Sterling Inlaid HE." The silver used in electro silver-plating on all of Holmes & Edwards' goods is pure silver of the United States Government assay. People buying Holmes & Edwards' Sterling Silver Inlaid or silver-plated ware are assured of the quality of the silver used, and no questions will ever arise in regard to quality where the name or trade mark of Holmes & Edwards appears.

A Dustless Ash Sifter for Furnaces.

Here's a Scoop. It is an Ash Sifter for furnaces. You scoop up the ashes in the furnace ash pit, shake the sifter back and forth on its rockers or legs, down go the ashes. All the cinders stay on the Sifter or Scoop; all dust stays in the ash pit. Now draw the Sifter out, letting it slide on its rockers. A scraper underneath will draw the fine ash out at the same time into the ash pan, if you desire it. May be you had on your dress suit, or Sunday suit or your business suit while you did all this. It makes no difference; there was no dust except in the ash pit where it belongs, and all fuel was saved. Some people clean the slack out of the stove size, hard or soft coal, with this Sifter. It does it well. The special ash pan is handy but not essential. The Sifter, Lackawanna Sifter it is called, is stamped out of steel, well made, light, durable. Retails for about $1.25. Manufactured by the Lackawanna Sifter Co., Cleveland, Ohio.



The McNeal Pipe Foundry Co., Burlington, N. J., have voluntarily restored the former scale of wages. The increase is about 10 per cent. and affects 500 men.

The Rice & Sargent Engine Co., of Providence, R. I., have received an order for a vertical engine 28 and 60x48, 1800 horse-power, 100 revolutions, 150 pounds steam, with pulley fly-wheels adapted for a rope drive, and also a standard engine 12x30, 75 horse-power, 110 revolutions, for the Whitman Mills, New Bedford, Mass.

George H. Chatillon, head of the firm of John Chatillon & Sons, No. 85 to 93 Cliff Street, New York, is in Europe enjoying a well earned rest. Mr. Chatillon has worked hard for twenty-five years, and this is the first vacation that he has allowed himself to take.

A dispatch from Cleveland says that the Consolidated Steel & Wire Co., of Illinois, has absorbed the property of the Baackes Wire & Nail Co., of Cleveland, which is one of the biggest concerns in the country. The price was $500,000.

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THE HARDWARE CLERK'S CORNER.

HARTFORD HARDWARE CLERKS' ASSOCIATION.

The Hardware clerks of Hartford, Conn., have organized, and are conducting with great success an association for mutual profit and pleasure. We have taken considerable interest in watching this movement from the start, and in order that their plans and purposes might be laid before the great body of Hardware clerks of the country, have asked a leading member thereof to prepare a brief account of the origin of the club, which is here given:

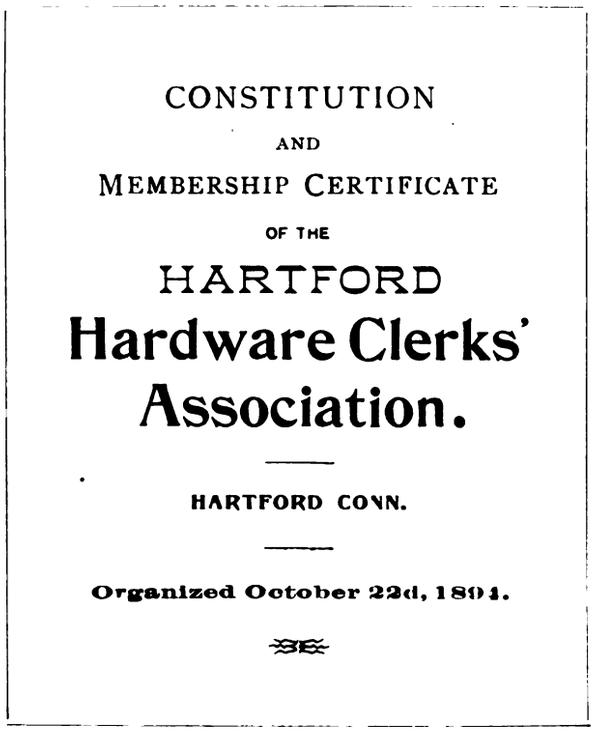
"The first thought of the Hardware Clerks' Association was suggested by a supper given by the clerks of one of the Hardware stores, on the occasion of the retirement from the business of a fellow clerk. At that time the 'boys' proved themselves of such executive ability, especially at the well spread table, that the idea of repeating the experiment once a year immediately found hearty support. The high class oratory, the bright and witty stories, and the general good feeling manifested, made a favorable impression.

"The next thought was: Why not extend its scope so as to take in the clerks from the other Hardware stores? The next development was along social lines. If it was a good thing for Hardware clerks to meet once a year, forgetting for the time petty jealousies and competitions, why not meet oftener, get better acquainted with each other, and see how much of common interest and helpfulness might be found in considering matters closely related to our common occupation? So the matter of drawing up a constitution was assigned to a committee, and at a meeting called October 22, 1894, the present constitution was unanimously adopted. Our membership at present is twenty-three, with the prospect of additions in the near future.

"As our membership is composed of musicians, actors, orators, humorists, etc., of no mean ability, our business meetings have generally been followed by very creditable entertainments.

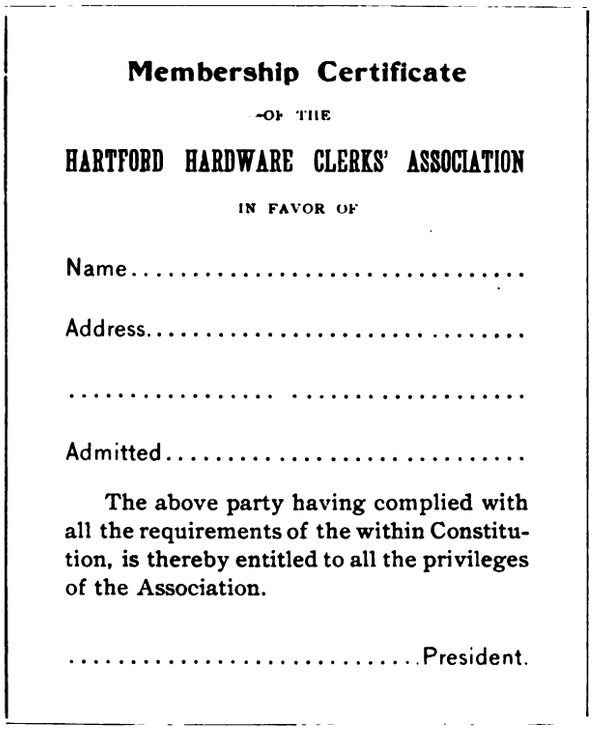
"The rules regulating the conduct of our members take a high standard, and our Association commands the respect and confidence of our employers. In no way do we attempt to dictate to them in business matters. On one occasion we petitioned them that their respective places of business should remain closed on the five principal holidays instead of opening part of the day, as is customary. Not all the firms being able to come to an agreement on the question, the matter on our side of the case was dropped. An independent attitude, however, has been taken by some of the concerns who favored the movement, and we eventually look to the obtaining of our reasonable request.

"One meeting was held in connection with a 'trolley ride' out to Elm Tree Inn, a romantic old tavern in the beautiful suburban town of Farmington, about eight miles out from the city. A more appropriate place for a Hardware clerks' banquet would be hard to find, as every feature of old colonial architecture has been carefully preserved, and some of the specimens of antique Hardware ought some day to find an appropriate resting place in a museum.


CONSTITUTION
AND
MEMBERSHIP CERTIFICATE
OF THE
HARTFORD
Hardware Clerks'
Association.

HARTFORD CONN.

Organized October 22d, 1894.


Membership Certificate
OF THE
HARTFORD HARDWARE CLERKS' ASSOCIATION
IN FAVOR OF

Name.....

Address.....

.....

Admitted.....

The above party having complied with all the requirements of the within Constitution, is thereby entitled to all the privileges of the Association.

.....President.

"The poverty social to which you have referred, is another instance of the way we do things up this section of the country. Coxey's army wasn't in it, compared to the gang of dusty, dilapidated and dissipated *looking* tramps that one by one dropped into our rooms on that occasion. It was a difficult matter for the judges to decide to whom the prize for the best impersonation of Weary Wraggles should go. The entertainment opened with a debate on the subject: '*Resolved*, That the final results of the hard times will prove more beneficial than detrimental to the country.' The debate was decided in favor of the negative. A tableaux entitled 'Opening a Keg of Nails' created considerable merriment. The actor in the tableaux called the attention of the boys to the many recent instances of defalcation and misuse of private and public funds. Then beckoning our unsuspecting treasurer to come forward, he quickly knocked in the nail keg head and dexterously clasped a chain with a thirty-pound hitch weight attached, to the leg of said treasurer, remarking as he did so, that he guessed now we would know where to find our man. Music, instrumental and vocal, followed, and lastly a hard times supper, consisting of crackers, cheese and coffee, with clay pipes and tobacco as dessert. At other

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meetings considerable time has been occupied in relating both ludicrous and trying store experiences.

"It is our aim also to bring up as often as possible matters for discussion on topics of the time, especially those relating to the Hardware business. We have no permanent quarters as yet, but hope that sooner or later a room fitted up with good reading matter, piano, and modern club conveniences, may be secured."

The constitution of the Association, which is original with this body, is in many ways an admirable document, and we take pleasure in here giving it in full, the cover and membership certificate being given in *fac-simile:*

CONSTITUTION.

ARTICLE I.—NAME.

This organization shall be called the Hartford Hardware Clerks' Association.

ARTICLE II.—OBJECT.

Its object shall be to improve social acquaintance and promote a more friendly feeling among its members, to give an opportunity for discussion and interchange of opinion on any topics of general interest to the Hardware trade, and to secure united effort and influence in any worthy cause which may properly receive its attention.

ARTICLE III.—MEMBERSHIP.

Sec. 1.—Any person of good character, and whose experience and qualifications in the Hardware business are satisfactory to the committee, may become a member, on receiving a two-thirds vote of the members present at any regular business meeting of the Association.

Sec. 2.—Applications for membership must first be presented to the Executive Committee, and if approved by them, the Secretary shall report favorably on same at the next regular meeting of the Association, at which time the members shall vote on each application.

Sec. 3.—Each person shall be required to sign this constitution as a pledge of their obedience to its rules and regulations, as hereafter named.

Sec. 4.—Any member charged with violating the by-laws of the Association, may, after a fair hearing, be suspended or expelled by a two-thirds' vote of the members present at any regular meeting.

ARLICLE IV.—DUES.

Sec. 1.—Each application for membership shall be accompanied by a payment of an initiation fee of $1.00.

Sec. 2—Each member shall pay to the Treasurer a monthly due of twenty-five cents.

Sec. 3.—Any member failing to meet this requirement shall be duly warned by the Treasurer, and if at the end of four months has not canceled his indebtedness, he may forfeit his membership in the Association.

ARTICLE V.—OFFICERS.

Sec. 1.—The officers of this Association shall be and rank as follows: President, Vice-President, Secretary and Treasurer, who, with two other members chosen by the Association, shall constitute the Executive Committee.

Sec. 2.—The officers shall be chosen by ballot at each annual meeting, and shall hold their offices until their successors are duly chosen and qualified.

Sec. 3.—The duties of the President shall be to preside at the business meetings of the Association, to meet and advise with the different committees, and to exercise a general watch and care over the interests of the Association.

Sec. 4.—The duties of the Vice-President shall be to officiate in the absence of the President.

Sec. 5.—The duties of the Secretary shall be to preserve a correct record of the membership of the Association, attend to all correspondence, and keep the minutes of all business meetings.

Sec. 6.—The duties of the Treasurer shall be to collect all dues or assessments, and to have general charge of the finances. He shall pay out no money unless so authorized by the Association, and upon a written order signed by the President. A written report of the financial standing of the Association shall be given semi-annually.

Sec. 7.—The duties of the Executive Committee shall be to exercise general supervision over the affairs of the Association, to see that the rules are sustained, and to pass judgment upon all applications for membership.

Sec. 8.—Other committees—as for instance an Entertainment Committee—may be chosen by the Association as seems advisable.

ARTICLE VI.—MEETINGS.

Sec. 1.—The regular business meetings of the Association shall be held on the first Monday evening of each month, unless otherwise specified in the call of the Secretary.

Sec. 2.—The annual meeting of the Association shall be held the first Monday evening of October, and the semi-annual meeting on the first Monday evening of April of each year.

Sec. 3.—Special meetings may be called by the Secretary, upon the instruction of the President.

ARTICLE VII.—RULES.

Sec. 1.—No intoxicating liquors shall be drank in the Association rooms, and any member guilty of such offense makes himself liable to expulsion from the Association.

Sec. 2.—No betting or card playing for money or other valuable consideration will be tolerated.

Sec. 3.—All members are urged to refrain from profane speech, and are expected to conduct themselves in such an orderly and gentlemanly manner as will do credit both to themselves and to the Association.

Sec. 4.—Members are not expected to bring visitors to the meetings unless special arrangement has been made for same.

ARTICLE VIII.—QUORUM.

Fifteen per cent. of the regular membership shall be considered a quorum for the transaction of business.

ARTICLE IX.

These rules may be amended or suspended by a two-thirds' vote of the members present at any regular business meeting.

CONFESSIONS IN ORDER.

EDITOR HARDWARE: The "unsuccessful clerk" who is telling the readers of HARDWARE why he failed to "get there" with both pedal extremities, will require a great deal of courage if he tells the truth and the whole truth. It is a difficult task to confess our errors and follies. I am not much of a success myself, but I would not like to arise before the public and give all the reasons. Drink has not had anything to do with it; perhaps laziness has. I never liked to work between meals. Let the confessions go on.

Baltimore, June 18, 1895. MIDDLE-AGED CLERK.

Perry Stove Co.

A dispatch from Albany, under date of June 17th, says: Upon the application of the trustees of the Perry Stove Co., of this city, one of the largest stove manufacturing firms in the United States, an application for a voluntary liquidation was filed in the Supreme Court, and Judge Fursman has appointed Gen. Selden E. Marvin, of this city, as receiver, who has given bonds and taken possession of the affairs of the corporation. The receiver is authorized to continue the manufacturing business without interruption, and with the complete stock on hand all orders can be filled. The stockholders at their annual meeting decided that the condition and the prospects of the company made it undesirable to continue the business on its present basis. The company was originally started six years ago, with a capital stock which has proved inadequate for the prosecution of its work on a scale large enough to be profitable, and in the depressed condition of business it has not been found feasible to increase it. It has, therefore, been wisely decided to liquidate its affairs in a voluntary manner, as provided by law, while its assets are amply sufficient to meet its obligations. With property which is valued at nearly three times the amount of its indebtedness, there can be no doubt of its meeting its obligations in full.

Divine Brothers, high grade Cotton Buffing Wheels, Chadwicks, N. Y.: We take pleasure in saying that we find HARDWARE *the best advertising medium we have*, and the results are very satisfactory.

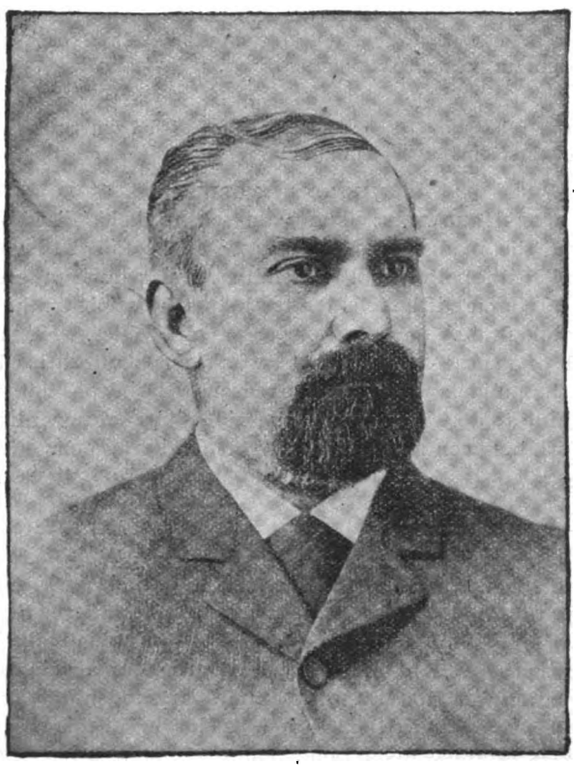
HARDWARE costs only One Dollar a year.

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Col. Ben Lovell: A Deserved Tribute.

The following generous and truthful tribute to a gentleman well known in the Hardware trade, is from a recent number of the New York *Recorder:*

Cycling from the start has been a queer game, and one, too, that required many friends before it got fairly on its feet. It is not so very long ago that a cyclist was more a subject of ridicule than any other citizen; looked upon as a "dude," or light-minded, if nothing more harmful, and unworthy the slightest notice—a thing to be kicked and buffeted about by any hoodlum or road hog. From the beginning of cycling in this country the makers have been its strongest bulwarks, and to them, individually and collectively, is due the credit for the proud position we riders of the bicycle hold. For are we not the "fad" of the hour? To be a cyclist nowadays is an honor, and the veteran, even of a season's standing, is regarded by the uninitiated as a superior being. To the members of the trade, therefore, we owe much, as it was their pluck and their money that have made for us our position. Through the



purchase of space by them in the pages of papers and magazines we have won over to our side the publishers of nearly every kind of journal. What has been the effect of this distribution of money? We are talked about favorably, and the opinions of learned people in all professions have found publicity which might otherwise have occurred, but it is doubtful.

Among the men who early felt the benefits of cycling, and did not hesitate to expend money, is Col. Ben S. Lovell, of Boston, treasurer of the John P. Lovell Arms Co., of that city. Their firm name has been a familiar one for over fifty years, having been established in 1840, doing a sporting goods and gun business. Being in a kindred trade, it was but natural that they should engage in the making and selling of bicycles. Their success has been unbounded, as they have made a name for the Lovell Diamond Cycles, that is a familiar household one in every hamlet in the land. It is not possible to have done that without cost, and a considerable one, too, as readers of current literature will admit, for have not all of us encountered the symbolic words "Lovell Diamonds," and known them to represent the bicycles of the Lovell Arms Co.? To estimate the gross amount that has been expended for advertising would be a difficult task, and well nigh impossible, but it is said that considerably over $100,000 was spent by them during 1894 in printer's ink. All the big Eastern dailies had entire pages, which cost lots of money, and the magazines filled many pages, exploiting Lovell Diamond Cycles.

Can it be wondered at, then, that cycling has become popular, when men like Colonel Lovell spend such sums to make it so? One publisher of a big Boston daily has stated that to his mind much of the demand for wheels this year can be laid at the door of the Lovell Arms Co. This certainly is eulogistic enough, and smacks largely of the truth.

John P. Lovell, the founder of the house, is still active in business, although the bulk of the responsibility rests on Col. Ben, as he is called by his friends. The latter is a familiar figure in all of the large cities, doing business with representative houses in the sporting goods trade and in his line of duty, visiting them frequently during the course of the year.

While we enjoy cycling to its uttermost, have had stringent laws abolished, new roads opened for us and the bad ones rebuilt, let us not forget that were it not for the clamor of wheelmen in the columns of the press, backed by the power money as expended by the makers, we would not be the privileged characters that we are, enjoying blessed sunshine and health as only a bicycle rider who uses his wheel can.

So again we say that, among others, the Lovell Arms Co., and Col. Ben, as its representative, deserve the gratitude of the great army of wheel men and women.

Latest Trade Publications.

The Boston Belting Co , Boston and New York, have published an illustrated catalogue and price list of their rubber mats, matting and step treads; and also a railroad edition of their mechanical rubber goods. Both books are neat, handy, and convenient for a reference. In a note of introduction to the last named they say: "In compiling this catalogue, our aim has been to place in the hands of railway officials a M. C. B. standard size (3½ by 6 inches) price list of mechanical rubber goods, such as are generally used by railroad companies. Our complete illustrated catalogue, or special printed matter on any particular subject, will be gladly furnished upon application. An experience of over sixty-five years in the manufacture of rubber goods has given us a knowledge of the business that enables us at all times to furnish first-class reliable goods at the lowest possible prices, quality being taken into consideration. Our manufactures are in use on many of the leading railway systems of this country, and are well and favorably known throughout the world, and we shall endeavor in the future, as in the past, to produce goods that will give perfect satisfaction to the consumer, and thereby hope to merit a share of your patronage."

The Bridgeport Gun Implement Co., Nos. 313 and 315 Broadway, New York, have published a handsome illustrated price list for 1895. It fully describes and illustrates their extensive line of loading and cleaning implements for firearms, bicycle sundries, Forstner auger bits, etc. All new goods to date are included. Especial attention is called to their hand loading outfits and new rapid loaders for nitro and black powder, standard powder and shot measures for all powders, new style cleaning sets, and many improvements in the models of their regular goods. Discounts will be quoted to the trade upon application, and samples forwarded free, by mail, upon receipt of list price. This catalogue cancels all previous editions.

The R. E. Dietz Co., No. 60 Laight Street, New York, have issued a new and complete catalogue of their lanterns, driving and street lamps, oil and gas stoves, commercial, railroad and other lanterns, etc. It is fully illustrated, and is a valuable and handy compendium of this line of goods. A copy will be sent to anyone wishing it.

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The Eureka Wire Fence Machine.

The illustration herewith shows the Eureka Wire Fence Machine put on the market by the Eureka Fence Co., Richmond, Ind. It has been designed to build an all wire fence in the fields to conform with the lay of the land. The manufacturers state that it is simple in its principles and construction, and thus one can easily learn to operate it. This machine consists of three principal parts, viz.: the loom, frame and spooler. The loom has two spools in the centre upon which the vertical wires are wound, and are held in place by a bolt which serves as a tension at the same time. These vertical wires pass through the outer or end wheels, over anti-friction rollers, and are twisted around the horizontal wires as often as thought best. Slots are cut in the end wheels, into which the horizontal wires are passed preparatory to the twisting of the vertical wires around them. The frame guides the loom down across the horizontal wires and holds the loom firmly in position while the twist is being made. This frame has notches in it, which serves to space the wires regularly. The spooler, as its name indicates, is used for spooling the wire. It has a large driving wheel, adding greatly to the speed with which the wire may be spooled. It is easily fastened, and firmly held in place by means of a large thumb screw. Any size wire may be used for the line wires, but numbers 12, 13 or



14 are the sizes best adapted for use as cross wires. "Every person understands that substantial end posts are essential for any form of wire and picket fence, or an all-wire fence. These should be placed in position so as to remain as firm as a rock, by means of braces, etc. Holes should be bored through one of the end posts, so that the wires may be passed through and wound tight by the ratchets. These should be so spaced as to correspond with the notches in the frame. Place wire on reel at this ratchet post, run out the upper wire, fastening it securely to the finishing post, and as you return fasten this wire in position by staples lightly tacked to upper part of every third, fourth or fifth post, the frequency depending largely upon the distance between these posts. Take all the slack out of this wire possible by hand, cut off wire and pass through post, fastening to ratchet. Draw this wire tight. A good plan, where long stretches of wire are made, is for two persons to take hold of this wire, and by united effort take out the slack, having one to hold the wire at second post by means of pliers placed on side of same next to end post, and thus using this post as a fulcrum. If the slack is not well taken out before drawing it up by the ratchet, the spool becomes full. Run out each wire in the same manner until all the wires are placed in position. Go to the ratchet post, draw the top wire tight, if slack; then the second, and so on until all are drawn tight. See that all the wires are stretched evenly and tight. Take frame and place in position near ratchet post, placing loom in same, holding it in place at upper part of frame until wire is placed in slots of the frame; drop the loom so that the wire may pass into the slots in outer wheels of loom. See that the vertical wires from spools are passed through and between the anti-friction rollers sufficiently far enough to press against the frame before twisting. Turn crank of loom towards you a sufficient number of times to make the desired number of twists around the horizontal wires ending with slot upward in twister that received the wire at first. Press down the loom until the second wire enters the lower slot, then set the loom in motion again by means of the crank turned in the same direction you did at first. Continue in same manner until the lower wire is reached. Force loom and frame away from the fence and cut the vertical wires as shown in the illustration. Place frame and loom in position further along the line corresponding to the width of the frame and repeat the operation. The makers further state that aside from the low price at which this fence can be built, it makes a neat, visible and very substantial fence. Winds will not affect it. It does not cause the snow to drift, and the fence rows can be kept neat and clean at all times from the growth of weeds, briers and underbrush. The vertical or cross wires prevent the spreading of the horizontal wires, and are so fastened that they cannot be moved. It does not injure stock. It lessens the number of posts so necessary in the construction of all other forms of fence. By the use of iron or steel posts it makes a fence fireproof and one that will last a lifetime."

New York Hardware Club.

The special meeting of the New York Hardware Club, called for June 20th, to act upon several proposed amendments, was quite largely attended, and changes proposed in the constitution were made by almost unanimous votes.

The meeting was held in the library at 12 M, President W. H. Williams in the chair. The minutes of the last meeting were read by Secretary Varick and approved. The chair briefly explained the proposed amendments, and was followed by Brace Hayden, who urged the advantages that would arise from an increased membership.

A. P. Mitchell and Charles F. Clark were appointed tellers.

The first amendment voted upon and carried was:

"The number of members shall consist of six hundred resident and two hundred non-resident members."

This is an increase of one hundred in the resident membership. A number of applications are upon the bulletin board, and can now be acted upon.

The second amendment, which was also adopted by a large majority, was as follows:

"The constitution may be amended at any meeting of the Club by a vote of two-thirds of the members present, provided such amendment is approved within sixty days by a majority of the Board of Governors. A notice of the proposed amendment shall be furnished to the secretary and posted on the bulletin board of the Club at least twenty days before the meeting at which it is proposed to consider the amendment, and the secretary shall cause such notice to be printed and sent to each member at least ten days before such meeting."

There is a picture on exhibition in one of the Board rooms of the Hardware Club. It is a pastoral scene entitled "Le Soir," by Louis P. Dessar. This picture has hung in the Salon at Paris, took a medal at the World's Fair, and will be sent to the St. Louis Exposition. It is a work of great merit.

Incorporation papers of the Kirschbaum Hardware Co., of Collinsville, Ill., have been filed. Capital $5000. Stockholders are Joseph H., Elise C. and Ernestine C. Kirschbaum.

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SOUTHERN HARDWARE JOBBERS' ASSOCIATION.

The Southern Hardware Jobbers' Association held its fourth annual convention at Louisville, Ky., on June 11th, 12th and 13th, and the programme which was outlined in our last preceding issue, was fully carried out, in a manner which reflected the greatest credit upon the hospitable iron and Hardwaremen of Louisville, and upon the officers and members of this Association, which has long since been recognized as one of the most important and influential among the many Hardware Associations in America to-day.

Ample preparations had been made for the entertainment of the visitors, and for the pleasant and expeditious transaction of the business in hand. The Executive Committee having matters in hand were as follows:

F. F. Gilmore, Chairman,
Hilton Collins,
W. Garnett Munn,
Charles Ochsenhirt,
R. M. Kelly, Jr.,
E. M. Hubbert.

A reception committee had been appointed, of which C. F. Huhlien, of B. F. Avery & Sons, Louisville, was chairman, and consisting of the following gentlemen:

W. Garnett Munn, Brennan & Co.
Thomas Brennan, Brennan & Co.
Owen Gathright, Jr., Harbison & Gathright.
Charles Ochsenhirt, Fischer-Leaf Co.
W. C. Noyes, Kentucky Wagon Mfg. Co.
J. W. Gaulbert, Peaslee-Gaulbert Co.
Stuart Duncan, Peaslee-Gaulbert Co.
L. W. F. Hart, Jr., Hart Hardware Co.
Wm. Heyburn, W. B. Belknap & Co.
John W. Price, W. B. Belknap & Co.
Charles P. Robinson, Robinson Bros. & Co.
Hilton Collins.
F. F. Gilmore.
F. S. Ouerbackur, O. K. Stove & Range Co.
James G. Caldwell, Birmingham Iron & Steel Co.
Charles Semple, B. F. Avery & Sons.
E. E. Paine, B. T. Avery & Son.
W. M. Hart, Hart Hardware Co.
Robert A. Hart, Hart Hardware Co.
S. W. Jones.
H. H. Beers.
A. C. Dodd.
Thomas Ellis.
T. H. Gossett.
Robt. M. Kelly, Jr., Davis, Kelly & Co.
W. T. Pyne, W. T. Pyne Mill & Supply Co.
A. F. Callahan, Dennis Long & Co.
E. M. Hubbert, Hubbert & Hubbert.
W. T. Drummond, Drummond Mfg. Co.
W. A. Caplinger, Peerless Mfg. Co.
F. H. Forman, Consolidated Steel & Wire Co.
Irby Bennett.
James P. Kelly, Kelly Axe Mfg. Co.
W. C. Kelly, Kelly Axe Mfg. Co.
J. E. Whitney, Kelly Axe Mfg. Co.
Ed. H. Garcine.
O. C. Mead.
Ed. Bernard.
Banks Rucker.
Fred. Seeley.
A. G. Twigg.
Anton Trunk.
Sidney Kastor.
Charles H. Weir.

The first session of the Association was held in the rooms of the Board of Trade, at 11 A. M. on Tuesday, June 11th. The handsome decorations in the hall were an attractive feature of the occasion. A list of the members and visitors who were present is here given:

President A. D. Langstaff, of Memphis; Secretary W. P. Smith, W. E. Gibbons, Bruce Keener and J. S. Brown, of Knoxville; N. A. Gladding, Memphis; Phil R. Rice, New Orleans; E. G. Ruckwell, Memphis; C. T. Kensel, Philadelphia; G. B. Durrell, Harriman, Tenn.; M. Hirsch, Chicago; S. A. Allen, Knoxville; H. W. Forde, Nashville; J. B. Schuster, Selma, Ala.; E. W. Clark, Chattanooga; J. D. Moore, Birmingham; J. C. Beering, Houston, Tex.; W. E. Austen, Atlanta; John Cantwell, St. Louis; W. W. Crandall, Nashville; W. M. Sperry, New York; J. Van Dickman, Little Rock; A. Baldwin and B. F. Eskelman, New Orleans; H. P. Chenowith, Maysvills, Ky.; Thomas Ellis and T. H. Gossett, New York; Charles R. Wilcox, Baltimore; E. H. Garcian, Richmond, Va.; W. G. Smythe, New York; C. T. Jenkins, Baltimore; J. C. Sproul, Annistown, Ala.; H. C. Bettis and Geo. E. King, Atlanta; J. T. Quarles, Baltimore; H. W. Caffrey, Philadelphia, and George H. Brown and R. H. Banning, New York.

In addition there were quite a number of non-official visitors, and as very many of the members and guests were accompanied by ladies, nothing was wanting to make the assemblage harmonious and attractive. The meeting was called to order by the chairman of the reception committee, Mr. Huhlein. After a few appropriate remarks by this gentleman he introduced Morris B. Belknap, president of the Louisville Board of Trade, who, in an eloquent address, extended the welcome of the city at large and of its business men especially, to the visitors. He said that the city had thrown wide open its doors to welcome them, and hoped their stay might be pleasant and profitable, adding that they were certainly among their friends, who wished them great prosperity and full enjoyment.

A. D. Langstaff, president of the Association, next took the chair, and after a few appropriate words acknowledging the invitation of Mr. Belknap, delivered his annual address in the following words:

PRESIDENT LANGSTAFF'S ADDRESS.

As president of the Association and in my own behalf it affords me genuine pleasure to express appreciation for the generous welcome offered us.

This appreciation is increased inasmuch as you have extended the welcome to the friends whom we have invited to meet us in your city. It would be superflous to make a statement relative to the hospitality of Kentuckyians, as it is acknowledged everywhere. Wherever we meet a Kentuckian, whether on his native heath or other lands, we soon receive evidence that he possesses to a marked degree that kindliness of manner and generosity of spirit that constitute the true gentleman. This old Kentucky welcome that you have extended your guests to-day adds confirmation to the exalted estimation in which you are held by those who have been your guests on former occasions. I have enjoyed that honor. I was personally very well satisfied when the members of our Association, having received invitations from both Pittsburg and Louisville to hold our next annual meeting at their respective places, decided to accept the invitation from Louisuille because of its more central location.

Among the other inducements offered by the resident member of our executive committee, Capt. C. F. Huhlein, was a genuine Kentucky welcome. Upon a previous occasion, upon a similar errand as that which has brought us here to-day, I in company with several of our Association, visited this city. Upon that occasion our party was offered, to use Mr. Belknap's words, when he welcomed us, a hearty welcome. We were received with outstretched hands and were escorted to visit friends, some of whose domiciles were "around the corner." We were taken in carriages;

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we were taken in drags to visit the beautiful parks, and when sudden rain overtook us by the wayside we were invited to the hospitable home of Capt. Charles Sample. There we beheld crushed ice and various kinds of liquids that are calculated to improve the taste of crushed ice. While the rain poured down from clouds, dispelling the heat that had ranged from 90 to 100, we, at the invitation of our host and his lovely wife, proceeded to follow the example of Mother Earth, and while she was partaking of refreshing showers we partook of crushed ice, showered with that product of which this same Mother Earth of Old Kentucky is so famed.

Some of the company would, between these inside showers, look out of the window to see if the rain still continued, apprehending that the discontinuance of the outside shower would be sufficient cause for the discontinuance of the inside shower. When we entered Capt. Sample's home our temperature was 90 to 100; when we departed our spirits were revived and our temperature was lowered as were the spirits that were found in Capt. Sample's.

At the close of our journey we were invited to a lunch. Here another surprise awaited us, for instead we found a banquet board adorned with flowers. Gathered about it there were brought the most palate pleasing solids and fluids. The welcoming hands, the drives, the entertainment by the wayside, the lunch a la banquet, was what Mr. Belknap termed a hearty welcome.

When I received Capt. Huhlein's invitation and read the words "We will give you an old Kentucky welcome," I at once recalled our previous "hearty welcome." Anticipating that it would be more comprehensive, and having the welfare of my fellow members at heart, when I wired him our acceptance I placed a limit on the extent of the welcome as pertaining to refreshments.

Speaking of refreshments at the Richmond convention, you may all know that Virginia is specially noted for wonderfully fragrant mint, which, when partially submerged in certain liquids and frozen water, produces a beverage worthy of the mother of states. It was noted at that convention that the Kentuckyians were very partial to this beverage. There is no question but that old Kentucky exceeds all other States in the production of that liquid. I have never heard that her soil produces mint. I have heard, however, that she produces the finest blue grass on the face of the earth. I am not prepared to state how far nor to what extent blue grass could be substituted for mint in the beverage alluded to, but I know there is such a love for "Old Kaintuck" in the hearts of her sons that they would be prepared to assert that whatever fragrance might be lacking in the blue grass of Kentucky when used in that composition as compared with the mint of Virginia would be more than compensated by the superior aroma of the liquid.

Kentuckians love their State. They have reason to be proud of its products. Whenever the question arises as to which State produces the finest grasses it is always answered —Kentucky in the production of her famous blue grass surpasses all others.

Whenever the question is asked as to which State produces the most world renowned thoroughbred horses, whether the horse is required to draw the coach and must be possessed of stately carriage and reasonable speed, whether the horse is required for calvary purposes and must possess speed and endurance and intelligence so that he will understand the bugle's blast when given on the battlefield, or whether for the race track, where he is required by his speed to outstrip all competitors, the question is always referred to the blue grass fields of Kentucky.

When a boy upon my father's farm in Canada I read the history of Kentucky, and my youthful fancy was filled with the story of brave men and equally brave women, who, possessed with the spirit of advancement, whose motto was "onward," willing to endure the hardships and privations of frontier life, had left the comforts of home behind to build another home in those primeval forests. I read that when the husband would go to his work in the morning he always carried his trusty rifle, which was ever near him during the day, so that he might protect his home from the wild beasts or equally wild but no less merciless Indian. I read that while the wife remained at home attending to the domestic duties she also had near at hand another rifle, to the use of which it was essential that she should be accustomed so that she might defend herself and the lives of her children from the same foes. We need not wonder that from such fathers and mothers have come the fair and beautiful women and the brave and honorable men that justly lay claim to that "Old Kentucky Home," of which poets have written and musicians have sung.

These annual meetings which bring together the merchants and manufacturers from the various States are productive of business benefits. They afford opportunities to make new friends and renew old friendships. They serve to link together by business interests and social ties, which are among the strongest links that can be forged, the citizens of various sections of our common country.

That these social opportunities may be enhanced we have invited the ladies to attend our conventions. Officially and personally I extend to the ladies who have accepted our invitations a very sincere welcome and hope that your enjoyment may be as complete as is our pleasure in having you with us.

The purposes of our Association are to promote business and social relations among its members. At our last convention, held in Richmond, invitations were extended to manufacturers and importing firms, with whom the members of our Association had business relations, but with whom during the past years, as a result of changed condition of business, they had not had opportunities of personal association.

It was a very great satisfaction to all of us to grasp the hands of those friends, and in the conversations that followed there were many reminiscences of past days that were referred to, which were very interesting. "Old Times," when profits were larger was very thoroughly discussed and compared with the then depressed times, with the conclusion very distinctly in favor of "old times." There were none who escaped the anxiety attendant upon those dark days. Yet there were some at that convention that were more sanguine than others, who were confident that the few rays of sunshine which were endeavoring to pierce through the gloom and the clouds that surrounded us would be followed by others, and the clouds would be dispelled and sunshine reign supreme.

One of the beneficial results of that meeting was the encouragement given in that direction. That brighter times have come and there are less clouds and increasing sunshine all over our land is evident. Even the clouds that remain have a golden or silver lining in accordance with the financial views of the individual.

I sincerely hope that each one of you has felt the sunshine of returning prosperity, and that for many years to come your pathways may be brightened by the light of increasing profits, and that the smiles upon your faces may betoken inward happiness, that should always possess those who by untiring energy, coupled with intelligently directed efforts, produces a satisfactory balance in your profit and loss account.

No longer does each mail bring us the sad tidings of lower prices which have been absorbing profits faster than we could make them, as has occurred during the past three years. First came the news prices are steady; then came prices advancing; then came the glad tidings, prices are withdrawn. Let us forget the dark hours of the past and with our faces turned to the light that is daily enlarging, fol-

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low the glorious example of the pioneer men and women of Kentucky and let our watchword be "Onward."

The business to come before the convention will be indicated at the several sessions. In previous communications to the members of the Association that have been printed in the trade journals I stated the benefits that have accrued from the plans formulated at previous conventions. I hope that increased good results may follow the efforts to be made at this convention.

At the conclusion of the president's address remarks were made by Hugh McCaffrey, of the McCaffrey File Works, Philadelphia; Irby Bennett, of the Winchester Repeating Arms Co., of Memphis, and others.

F. F. Gilmore, on behalf of the local committee of arrangements, briefly outlined the arrangements which had been made for the pleasure of the members and their guests. He stated that at the close of the afternoon session, carriages would be provided for a ride about the city and its suburbs, and that on Wednesday evening there would be an excursion on the Ohio River with music, refreshments, etc.

Mr. Huhlein read a letter from Mr. Nott, vice-president of the Louisville & Nashville Railroad Co., inviting the members of the Association and their guests to accept the tender of a special train on Thursday or Friday, in which to visit the Mammoth Cave.

On motion of W. P. Smith, of Knoxville, the thanks of the convention were tendered to the local committee and to others who had done so much for the entertainment of the Association.

A recess was here taken.

At the afternoon's meeting Secretary Smith reported that the roll-call showed that twenty-nine houses were represented either in person or by proxy, and it was also stated that ten or fifteen more firms were represented in the city. The fact that stock taking is going on in many of the southern Hardware houses accounts for most of the absences. Letters were received from most of these expressing regret at their inability to be present.

He also announced that he had retired from the Hardware business to engage in another line, and therefore tendered his resignation of the office of secretary. He desired to express his sincere thanks to all the members for the complete and efficient co-operation he had always received, which had made the performance of his duties a pleasure rather than a task. He asked that his resignation be at once accepted, as his health would not permit him to act longer at the existing convention.

President Langstaff expressed the sentiments of all the members in acknowledging the very efficient manner in which Mr. Smith had performed his duties, and asked the pleasure of the meeting as to whether Mr. Smith should continue till the regular election or whether a secretary pro tem. should be appointed.

Mr. Mandlebaum, of Little Rock, suggested that it would be best for Mr. Smith to continue in the performance of his duties with the aid of a stenographer, who had been employed for the purpose, but the convention voted to accede to Mr. Smith's request and Mr. J. J. Mandlebaum was elected secretary pro tem. to serve until the regular election.

The president announced that the meeting was now open for the transaction of such business as members desired to bring before it. He had suggested subjects for papers and discussions to the members and waited for results, so that a programme be arranged for the remaining sessions.

E. W. Gathright read a paper upon dating bills ahead, with reference also to the time given upon goods, and the charges for boxing and carting. Remarks were made by W. E. Gibbons touching a grievance committee. Other discussions and routine business occupied the remainder of the session. At 5 P.M. the meeting adjourned to meet at 10 A.M. on Wednesday in the parlors of the Galt House.

The evening was spent by the members and their guests in pleasant drives about the city and suburbs. Thirty-five carriages were in line, and a stop was made at the Boulevard Club House for refreshments.

Wednesday was given to the discussion of Association business. It was thought best that less publicity should be given to these gatherings than has been the case heretofore. It was decided that a number of amendments to the constitution were necessary, and after full discussion of the matter the document was changed in various respects, and is now as follows:

THE AMENDED CONSTITUTION.

ARTICLE 1.—NAME.

This Association shall be known as the Southern Hardware Jobbers' Association.

ARTICLE 2.—OBJECTS.

The objects of this Association are:

Section 1. A permanent organization of the Hardware jobbers of the South, for the purpose of promoting more intimate social relation among them, and consequently a more friendly feeling.

Section 2. To encourage and promote the commercial interest of the Hardware jobbers of the South in every way possible.

Section 3. To foster and encourage, through social intercourse and united efforts, that which will inure to our mutual benefit.

ARTICLE 3.—MEMBERSHIP.

Section 1. The members of the Association shall be composed of wholesale Hardware firms doing business in the Southern States.

Section 2. Any firm or corporation whose main business is the selling of Hardware at wholesale, and whose sales as jobbers shall amount to at least $100,000 per annum, upon application to the secretary in writing and a four-fifths vote of the Executive Committee, may become a member of this Association upon subscribing to the constitution and by-laws and payment of $10 membership fee in advance, and agreeing to pay annual dues of $30 within 30 days after each annual meeting.

Section 3. In the event of any member ceasing to do a jobbing business it shall be deemed a cause for dropping his name from the roll of this membership.

ARTICLE 4.—OFFICERS.

Section 1. The officers of the Association shall be a president, two vice-presidents, secretary-treasurer and an Executive Committee of four. The president shall be an *ex-officio* member and chairman of the committee. The Executive Committee and officers shall hold their offices for one year, or until their successors shall be elected, and all shall serve without compensation, except secretary-treasurer, the amount of whose compensation and bond shall be fixed by the Executive Committee.

Section 2. In case any office shall become vacant by reason of death or otherwise, the Executive Committee shall have power to fill the unexpired time.

Section 3. All officers excepting the secretary-treasurer shall be elected by ballot at the regular annual meeting, each firm or corporation member of this Association shall be entitled to one vote only, and the candidate who shall receive the majority of votes cast shall be duly elected. The secretary-treasurer shall be appointed by the Executive Committee, and need not necessarily be a member of the Association, and shall be required to give bond from indemnity company for the faithful performance of his duties.

ARTICLE 5.—DUTIES OF OFFICERS.

Section 1. It shall be the duty of the president to preside over all meetings of the Association and of the Executive Committee, and generally to exercise the functions of a presiding officer.

Section 2. It shall be the duty of the vice-presidents to act in the absence of the president in the usual order.

Section 3. It shall be the duty of the secretary-treasurer to keep a record of all meetings, to attend to and keep all correspondence of the Association, to collect all moneys due the Association, and disburse the same as instructed by the president and Executive Committee, and such other work as may be provided by the Executive Committee.

ARTICLE 6.

The Executive Committee shall meet at least once in every six months, or upon call of the president, and three shall be necessary to transact business at such place as the majority of the committee may elect, the expense attendant upon such meetings, ex-

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cept the annual meeting, to be borne by the Association. It shall be its duty to perform such duties from time to time as may be necessary for carrying out the spirit and intent for which the Association was organized. It shall have charge of the disbursement of all funds of the Association, elect the secretary-treasurer, and fix his salary and bond, and have power to engage such other employees as may be necessary to carry on the work of the Association, and, if necessary, make assessments pro rata not to exceed $10 for each member, to defray the legitimate expenses of the Association. The reports of all committees shall be referred to it before the same shall be presented to the Association.

ARTICLE 7.

Any member may delegate, in case of unavoidable absence, a representative, who shall be a member of said firm or corporation, to represent them at any meeting, who shall present written credentials of the firm or corporation he represents. His vote shall be binding.

ARTICLE 8.

The annual meeting of the Association shall be held on a date set by the Executive Committee at such a place as shall be named by resolution at the last previous meeting; but the same may be changed by the Executive Committee in the event of an emergency warranting such change. Notices of such change shall be sent to each member at least 30 days previous to the meeting. Special meetings may be called by the president upon written request or not less than ten members. Notices of same shall be sent to each member at least 15 days previous to the meeting. A majority of the members attending shall constitute a quorum for the transaction of business.

ARTICLE 9.

The following standing committees, of three members each, shall be appointed by the president to serve for one year, or until their successors are appointed, subject to the approval of a majority of the Executive Committee: Manufacturers' Committee, Transportation Committee, Grievance Committee.

ARTICLE 10.

The order of business at each annual meeting shall be:

1. Roll call of members.
2. Reading of minutes of last meeting.
3. President's address.
4. Report of Secretary-Treasurer.
5. Reports of committees.
6. Miscellaneous business.
7. Nomination of officers.
8. Election of officers.

ARTICLE 11.

Any member desiring to withdraw from the Association shall give notice to the secretary at least 30 days prior to the annual meeting.

ARTICLE 12.

Any amendment or alteration of this constitution and by-laws may be made at any regular or special meeting by a vote of two-thirds of all members present and voting.

ELECTION OF OFFICERS.

The following officers were elected for the ensuing year: President; John S. Brown, Knoxville, Tenn.; First Vice-President: J. D. Moore, Birmingham, Ala.; Second Vice-President: Charles H. Watkins, Richmond, Va.; Executive Committee: President John S. Brown; J. J. Mandlebaum, Little Rock, Ark.; W. E. Gibbens, Knoxville, Tenn.; Geo. A. King, Atlanta, Ga.; Charles H. Ireland, Greensboro, N. C.

It was decided that the meeting of 1896 should be held at Chattanooga, the date to be determined hereafter.

Wednesday evening was spent in an enjoyable trip upon the river aboard the steamer *W. C. Hite*. F. F. Gilmore was master of ceremonies, and the details of the entertainment were arranged by him. About 325 people were aboard the boat, and they were given a delightful outing. Kurkamp's full orchestra was on board, and to the delightful strains of "Dixie," "My Old Kentucky Home," and other familiar strains the guests partook of the sumptuous refreshments that were provided, Cigars, punch and ices of every description, with champagne, made the occasion most enjoyable.

A DAY IN A CAVE.

Thursday was devoted to a trip to the Mammoth Cave, the Louisville & Nashville Railroad Co. having generously tendered a special train for the conveyance of the Association to the wonderful place. The reporter of the *Courier-Journal* has so graphically and entertainingly described the events of the day that we are tempted to make use of his report in full:

The Southern Hardware jobbers wanted to take Mammoth Cave home with them. They literally took possession of everything in the neighborhood, and from their deportment implied that they would like to go still further and include the L. & N. railroad in their list of wants. In every respect they had everything moveable, and that, too, without even the trouble of asking.

Mr. T. J. Fernley was the autocrat of the feasting table, and Lord High Nearly Everything Else. He is from Philadelphia, but was not so sober in his demeanor as the proverbial lawyers of the Quaker City. His strong point is in his speech-making propensities, comprising a faculty to say funny things. He was called on for a speech as soon as the visitors reached the cave. With his eyes fastened on a nail about four feet above his head on the wall of the platform he advanced steadily and with a sudden fling stuck his hat on it. Then he gazed at the crowd, evoked a laugh and began. He stated that he was unprepared for a speech. "If I had only known, I might have composed one in advance," and he reached into his pocket and pulled out some manuscript, which he indicated to be a typewritten address, but which by the man near him was seen to be only a price list. He fingered it nervously, as though to find the place, and suddenly pitched his voice to duplicate the average fire-eating orator. "I feel very much like the man who delivered the oration upon the completion of the great structure of Mammoth Cave, in the year, I think, 1835. Everybody in this State—what State is this?—had looked forward to the event with great longing. The Governor was the speaker. He was an illiterate man, having been brought up in the Hardware business. He had prepared a fine oration. 'Ladies and gentlemen and fellow-citizens,' said he," Mr. Fernley paused and showed how the Governor had forgotten his speech. "'Ladies and gentlemen and fellow-citizens,' he began again. After the Governor had started about a dozen times he finally managed to wrench out, 'Ladies and gentlemen and fellow-citizens: Forty years ago this land was a howling wilderness—and damn it, I wish it was still.'" Mr. Fernley continued to refer to the price list for information, and by the time he had finished everyone was so weak from laughter that an adjournment had to be taken to the dining-room.

The crowd, which numbered about three hundred, plunged into the cave at two o'clock, taking a combination route, which comprised the best parts of the long and short routes.

They came to the point called the "Methodist church."

"This," called out the guide, "is the Methodist church."

"Why don't you call it the Baptist church?" put in some one.

"Because it's too dry."

The laugh was on the crowd.

When Star Chamber was reached, Miss Margaret Muldoon, upon special request, sang several solos, which greatly enhanced the grand effect. The entire crowd was musical, and at Echo River all joined in a grand chorus in the singing of "Nearer, My God to Thee." One or two who were purely disinterested pronounced this very fine.

At one time one member of the party felt faint and a call was made for some relief. "Has anybody any whisky?" cried the guide.

"Yes-s-s," echoed through the cave, and everybody laughed. Some one said something or other about it being Kentucky.

"Fat Man's Misery" came near being the Waterloo of several men. Groans, sighs and rivers of perspiration fol-

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lowed swift and fast. The guide stood at the end of the tight passage, and whenever a corpulent man reached the large chamber safely he told them this was "Great Relief." Then there was applause. Every fat man, indeed, who made a safe exit was a hero and was loudly applauded. Mr. Fernley was one of these. "Speech! speech!" called a cruel voice, but Mr. Fernley had not strength enough to respond. He at once sought a big rock and sat down and rested.

The final and greatest test was the "Corkscrew." No one is willing to say he was vanquished, though he has a higher opinion of himself to-day than he had last week. "I can climb the Alps," said one, "after this." "This is the dryest corkscrew I ever saw," remarked one old Kentuckian.

When the trip was over everybody was pleased; everybody had a great time and praised the L. & N. for its courtesy. The Association as a body passed resolutions thanking the road. The manufacturers present passed, by a unanimous vote, the following resolutions:

We, the undersigned, representing manufacturers and shippers, wish to express to the L. & N. Railroad our appreciation of the kindness shown us as guests of the Southern Hardware Jobbers' Association in permitting us to enjoy this most delightful excursion to the famous Mammoth Cave. This courtesy, so considerate and munificent, is gratefully acknowledged.

We also desire to congratulate the management of the road upon its elegant appointments and the completeness of its arrangements for the comfort and safety of its patrons, the excellent condition of the road in all departments as well as to facilities for the expeditious handling of freight. In view of these evidences of enterprise and efficient direction we can readily understand the prosperity and popularity of the road.

Resolutions were also adopted with a great hurrah thanking ex-President Langstaff, of Memphis, and ex-Secretary W. P. Smith, of Knoxville, showing in strongest terms the value of their services. Mr. Langstaff made a short address acknowledging the compliment, putting in several witty allusions. Short addresses were also made by Mr. Rockwell, of New York, and Mr. Ireland and Mr. Gibbens.

Many women were along, including prominent Louisville society girls, and they joined in the expression of thanks. Mr. E. G. Johnson represented the L. & N. in looking after things, and the fine manner in which he did it, and the appreciation of the visitors were vented in three rousing cheers in his honor.

THE MEETING A SUCCESS.

The resident correspondent of HARDWARE at Louisville writes the following comment:

"We believe this meeting has proved a success, and we rejoice that such has been the case, for trade associations of this kind prove very useful in abolishing, or at least diminishing, objectionable business methods, and it is only by meeting one another in the spirit that should actuate honorable competitors, presenting their views frankly and fairly, and discussing measures temperately, that objectionable features may be eliminated, and with them the jealousy and mistrust that frequently exist between friends and neighbors in the same line of business. Nothing inimical to the trade at large is fostered in associations of this kind; on the contrary we think that in abolishing abuses and improving methods they form a school where even the most experienced may learn something of value. The Southern Association is composed of brainy, well-equipped men, and should be congratulated on its success thus far in accomplishing the ends for which it was formed."

CREDITS AND THEIR APPLICATION.

An interesting paper upon "Credits and their Application," was prepared by N. A. Gladding for presentation at the meeting of the Association, and is here given in full:

Mr. President and Gentlemen: The subject of "Credits and their Application" has been more thoroughly reviewed and discussed within the past twelve months than ever before. The panic of 1893, with the great number of failures attendant upon same, in all departments of trade seems to have been the means, to a large extent, of arousing the greatest possible interest among the credit men of manufacturing and jobbing concerns in the matter, causing them to carefully investigate the causes leading up to these failures and to prepare ways and means of guarding against being caught in the future.

If you have been reading the papers offered at various business men's conventions and the contributions of credit men to the different journals, on this all important subject, you have seen what an almost exhaustive discussion it has received.

The great question is how have we and how are we profiting by all this? Has the discussion and investigation into credit methods been of any benefit? I am sure it has been to many of us. We would think little of ourselves or of others if no improvement was shown. It is plainly to be hoped that more conservatism is exercised in the giving of credit, in that much more care is being exercised along the lines of the debtor character, experience, record, etc., of which we spoke last year. The system of blanks recommended to this association at its last meeting has been put in use by some and found to be very beneficial in ascertaining the standing of would-be customers, and it has been my good fortune to be in correspondence with credit men in other parts of the country from whose system of blanks I have been able to obtain valuable points.

Credits is a subject that is always new, yet always old. There are certain principles to be applied year in and year out according to location and circumstances. Experience is the one great teacher, and yet after we think we know just how to do it, losses will still be made. It has been gratifying to myself to know that the past year's business resulted in a smaller percentage of loss than the previous year, and I believe that it can be reduced to a minimum by careful application of the lessons learned from the past and from study of the subject.

Besides the blank for inquiry regarding character, etc., sent to other houses, I believe it is a great help to the collection department to have statements properly worded, and they should be sent promptly each month to each customer. Each statement should give date draft will be made for account due unless remittance is duly received. Notice should also be sent to customers where drafts are sent to hand, and if no returns are received within ten or twelve days another final notice should be sent. Notices of notes should be mailed customers, as often bank notices do not reach them in time. No advertising matter should be enclosed with statement, as it is very liable to injure the effect of the demand for payment. Keeping posted as to your customer's condition is one of the most vital points for the credit man to observe. It is useless to give a claim to an attorney for collection after the debtor is covered up by mortgage or judgments. That is like locking the barn door after the horse is stolen. Keep posted; don't let the customers get in too deep. Know that your man is good and collect promptly; that's the meat in the cocoanut.

If your customer don't pay reasonably prompt quit selling him. Failures and losses would be fewer if creditors were more stringent. The trouble is that creditors are dishonest to themselves or untrue, if you prefer the word, afraid the customer will get mad and trade elsewhere if made to pay prompt. Let him go. Your business will be better off at the end of the year and the other fellow's worse. I am fully aware that policy is a good thing in its place—but we have too much of it in granting credit, but more particularly in matter of collections. How long, oh, Lord! how long will it continue?

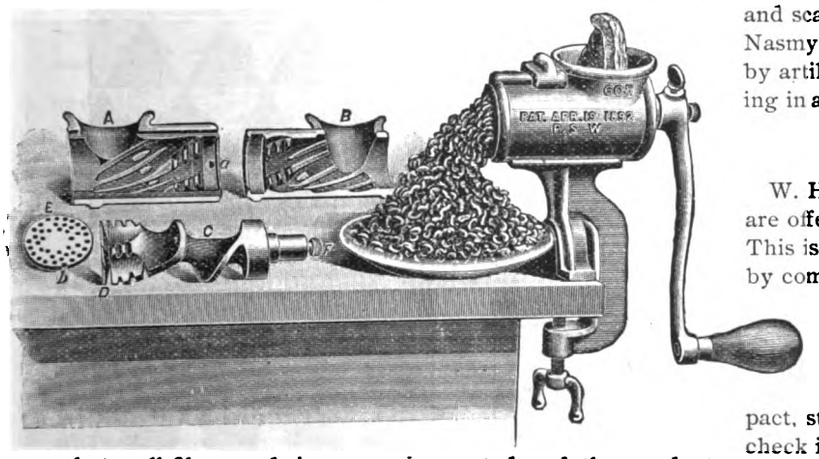
When the manufacturers and jobbers in their credit departments are true to themselves, they will be willing to be

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true to each other, and there will be a credit men's club in every city among jobbers in general, and the Southern Hardware Jobbers' Association will have blanks prepared by which they can post each other throughout the city as to who are good, bad and indifferent among the Hardware trade of the South.

New Triumph Meat Cutter.

The illustration given herewith represents the New Triumph Meat Cutter, a meat-chopping machine, entirely new and just put upon the market by the Peck, Stow & Wilcox Co., No. 27 Chambers Street, New York, for the autumn trade of 1895. The appearance of this cutter is nearly the same as the Triumph Meat Cutter, made by the same firm, but its construction is entirely different. This machine "is the result of many experiments and most critical tests. The simplicity of its construction recommends it for general use. It is most readily taken apart and as easily put together. The cutters now in use only cut the meat between the perforated plate and the knives. By examining the construction of this machine, the teeth or cutters will be seen, as shown in the illustration, on the feed screw C. That is, the meat is cut in small pieces before it reaches the knife and perforated plate. After it passes through the feed screw it comes in contact with the perforated plate E and is cut into minute particles by the revolving knife D." The manufacturers state that so perfect is its cutting capacity



that "all fibres and sinews are separated and the product of the machine is clean and neat in appearance and in small globular particles. By actual experiment with the small size cutter—the No. 605—with power applied thereto, it cut 39 pounds of meat in less than ten minutes, showing its cutting capacity to be very large. There are only five parts of the machine to be cleaned, and the clamp need not be removed from the table, as the shell or case of the cutter is easily taken from the clamp; the handle can be removed and the parts shown in the illustration, designated as A, B, C, D and E, are the only ones to be cleaned. It is of such construction that an ignorant person cannot make a mistake in replacing the parts in their proper places. The pressure of the cutting knife D against the plate E is regulated by the screw shown in the illustration, where the crank is fastened on to the feed screw. The simple turning of this gauge screw, which passes entirely through the feed screw, presses the knife against the perforated plate. The only thing to be observed in the working of the machine is to keep the knife pressed closely against the plate E."

The makers say that it "is a complete and perfect machine; a combination of the best qualities of the best cutters. It will cut faster, easier and better than any other machine yet put upon the market of the same size. Its double cutting capacity, alluded to above, renders it very desirable for family use. The stuffer attachment can be readily applied to the machine, which is securely fastened and cannot be easily removed when properly adjusted to the machine. It will not work loose in operating the cutter. The manufacturers have put upon this machine a low price, intending it for family use, so that it will come within the reach of all. These machines are nicely tinned both on the inside and outside, and present a most attractive appearance." It is made in two sizes and three styles. Nos. 605 and 610 are with clamps, as shown in the illustration; No. 612, a larger size, is the same as the 610, except it is arranged to screw on to the table instead of fastening by a clamp. The machine is adapted to hotel, family or butchers' use; not liable to get out of order and is a machine of the highest grade and quality.

Sowing Tree Seed With a Cannon.

Alexander Nasmyth, the celebrated English landscape painter, was a man fruitful in expedients. The Duke of Athol consulted him as to some improvements which he desired to make in his woodland scenery near Dunkeld. Among other things, a certain rocky crag needed to be planted with trees, to relieve the grim barrenness of its appearance. The question was how to do it, as it was impossible for any man to climb the crag, in order to set seed or plants in the clefts of the rock. A happy idea occurred to Nasmyth. Having observed in front of the castle a pair of small cannon, it occurred to him to turn them to account. A number of tin canisters were filled with all sorts of suitable tree seeds. The cannon were loaded and the canisters were fired against the high face of the rock. They burst and scattered the seed in all directions. Some years after Nasmyth was delighted to find that his scheme of planting by artillery had proved successful; the trees were flourishing in all the recesses of the cliff.—*World's Progress.*

Royal Door Spring and Check.

W. H. Quinn & Co., No. 103 Chambers Street, New York, are offering the trade the Royal Door Spring and Check, This is a new device for closing doors and checking them by compressed air instead of liquids. The points of superiority claimed for these springs are as follows: "Easiest attachment; does not require a skilled mechanic to put them on; doors open easily; no liquids to freeze up or leak; easy adjustment, compact, strong, durable, and at a price much lower than any check in the market." These springs are manufactured by John Toler Sons & Co., Newark, N. J.

At the annual meeting of the stockholders of the Chattanooga Hardware Co., the following directors were elected: A. M. Johnson, R. K. Carter, J. W. Cavender, J. N. Johnson and J. L. Davies. The board organized by electing A. M. Johnson, president; J. N. Johnson, vice-president; J. L. Davies secretary-treasurer and general manager; R. K. Carter, New York and Pittsburg representative.

The French cutlers established in the town of Langres are determined to call attention by every means in their power to the absurdity of the superstition about presents of knives "cutting friendship." They have therefore begged the French Minister of Public Works, M. Dupuy-Dutemps, to accept a little present of two fancy knives and a pocket-knife of fine workmanship.

Henry C. Weber & Co., Nos. 121, 123 and 125 Woodward avenue, Detroit, Mich., one of the largest retail Hardware houses in Michigan, will shortly remove to a large and commodious building opposite their present quarters. The removal is made necessary by their constantly increasing business. The firm has occupied the present premises for thirty-five years.

The report made by the U. S. Geological Survey places the coal output of the United States for 1894 at 170,853,085, valued at $186,154,604.

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Christman Combined Shutter Lock and Bower.

The Wrightsville Hardware Co., Wrightsville, Pa., are placing on the market the Christman Combined Shutter Lock and Bower. The manufacturers state "that in offering the new Shutter Lock and Bower to the trade and to builders of the country we do so with the fullest confidence that we are offering an article which, for convenience, durability and handsome appearance, is superior to any article of the kind now in the market. It is entirely free from all objectionable features found in other combined locks and bowers and is less liable to get out of order than even the plain or common bolt now in use." The bowing arrangement is exceedingly simple and does not in the least interfere with the free movement of the bolt in the operation of locking or unlocking the shutter. It is further stated "that unlike other locks and bowers the finger piece is made solid with the bolt, and no fitting together and riveting on of the parts is done after they are galvanized or japanned, leaving every part fully covered and thereby preventing the forming of unsightly rust stains beneath the lock on the shutter."

Interlocking Rubber Tiling.

An entirely new and valuable use of vulcanized rubber is seen in the manufacture of rubber tiling for floors, halls, passageways, etc., etc., illustrated in the accompanying engravings. The material is a close imitation in appearance of the regular earthen or composition tiling, and a vastly superior article in many respects.

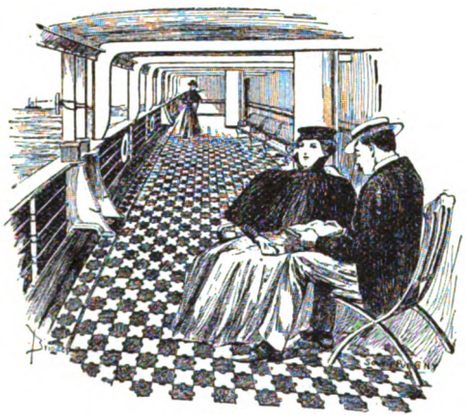


FIG. 1.

The New York Belting & Packing Co., Ltd., No. 15 Park Row, New York, are the sole manufacturers under letters patent, and from the favorable manner in which the new style of tiling has already been received, anticipate its general adoption in places where there is any danger in consequence of slipping or falling, where there is much traffic or wherever noise is objectionable.

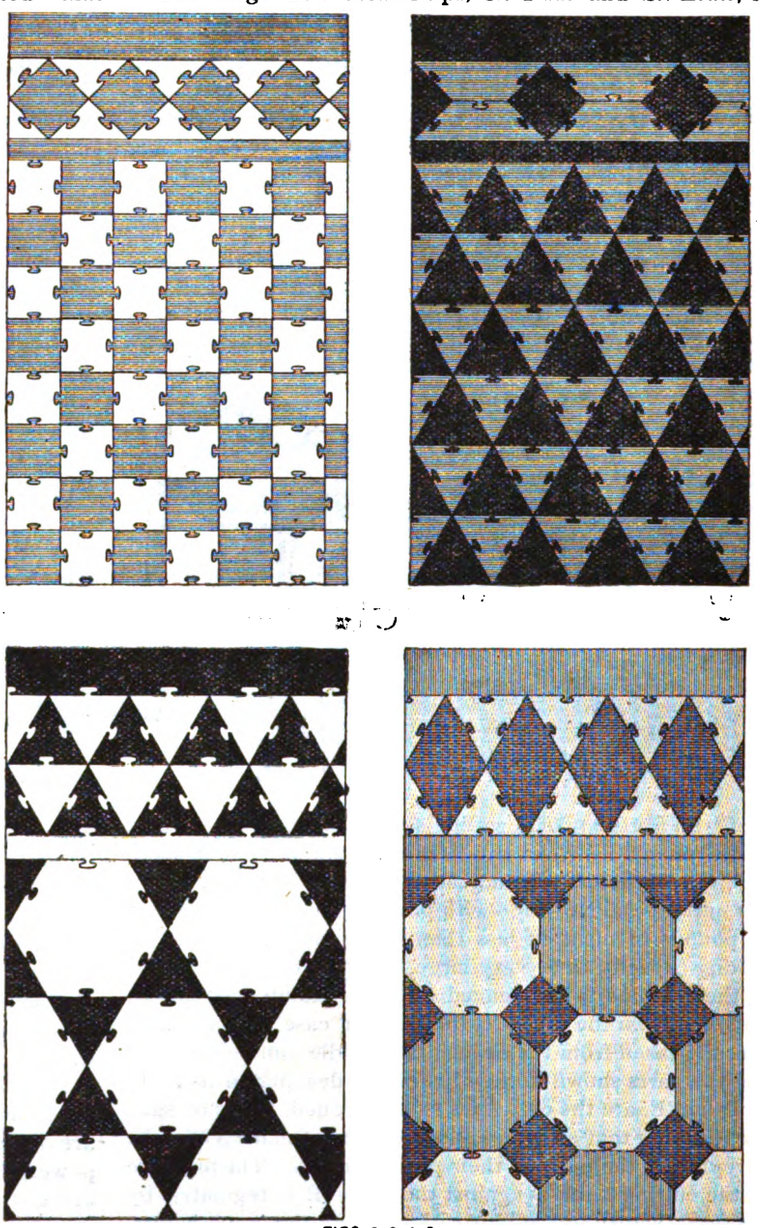
Rubber tiling is furnished in different patterns, varying in size, shape and color, which by various combinations admit of being worked into a variety of designs, producing most pleasing and beautiful effects. Some results are shown in Figs. 2, 3, 4 and 5. The effect of these as printed here in but one color, is only partially brought out.

Because of its elastic nature this tiling yields readily to vibration, and adapts itself to any unevenness and inequalities of floors upon which it is used, and the interlocking feature binds it together in such a manner as to prevent opening at joints, uniting the whole as in one solid piece. Its durability is admitted by all to be greater than that of composition or earthen tiling. Beside, it will not crack, break or scale, and its many other peculiar and desirable qualities make it in the end cheaper.

An advantage which suggests itself is the apparent ease with which this material may be repaired, in case of its becoming worn in situations where subject to excessive wear. For steamships, depots, public landings and buildings generally, bath rooms, hotel corridors, and places of amusement, etc., this rubber tiling appears to be especially well adapted.

At the Broad Street station in Philadelphia, Pa., where the traffic is unusually heavy, it has been in use for about a year, and as yet shows no signs of wear, while after each washing or scouring it presents the appearance of having been newly laid. A total of 1250 square feet is employed.

The large new steamships, *St. Paul* and *St. Louis*, recently built by the Cramp Co. for the International Navigation Co., have been largely laid with this tiling. In its application to the *St. Louis* an extremely serviceable floor covering has been secured while contributing not a little in a decorative way to the interior beauty of the vessel. The saloon deck, second cabin, pantries, etc., are all laid with this tiling, the design shown in Fig. 2 being employed and laid in two colors, red and white. The effect is extremely pleasing, and a total of 3500 square feet are used. This is distributed aboard the vessel as follows: Saloon deck, 2000 feet; second cabin, 1000 feet; pantries, 500 feet.



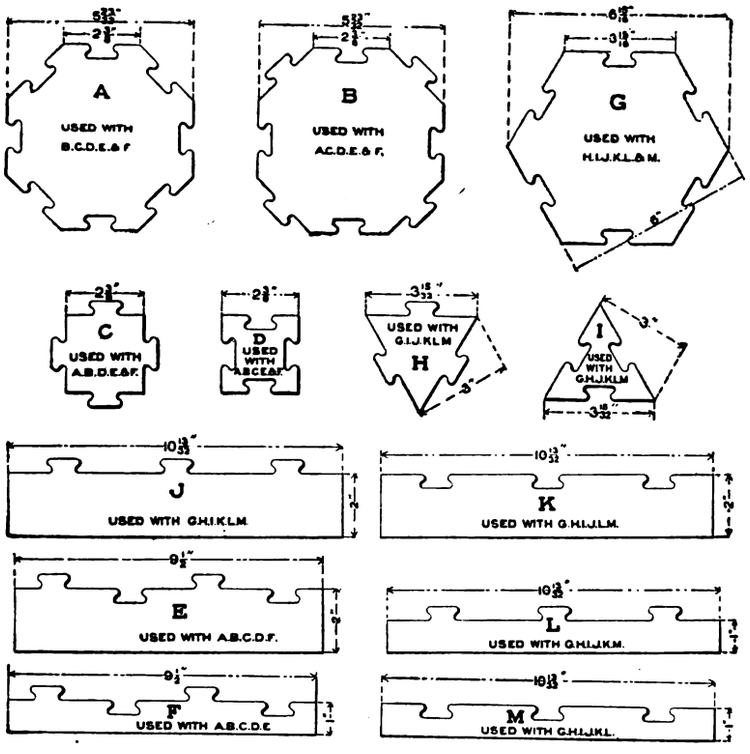
FIGS. 2, 3, 4, 5.

The quality of being noiseless when trodden upon shows

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up to good advantage in such situations, and is especially noticeable in this instance.

A handsomely gotten up catalogue. containing a number of colored plates with much interesting data regarding this



new style of tiling is furnished free by the New York Belting & Packing Co., Ltd., upon application.

A Bid for the Zimmerman-Johnson Race.

The following are copies of telegrams to A. A. Zimmerman and T. W. Eck from Prince Wells and the Fountain Ferry Cycle and Athletic Association:

LOUISVILLE, KY., June 20, 1895.

A. A. Zimmerman, Freehold, N. J.: Will give one thousand dollar purse for one of the match races between Zimmerman and Johnson to be run at Fountain Ferry Track, July 4th, in connection with Prince Wells' Cycle Derby. Answer. PRINCE WELLS,

and

THE FOUNTAIN FERRY CYCLE AND ATHLETIC ASSOCIATION.

LOUISVILLE, KY., June 20, 1895.

T. W. Eck, care Philadelphia *Inquirer*, Philadelphia, Pa.: Will give one thousand dollar purse for one of the match races between Zimmerman and Johnson to be run at Fountain Ferry Track, July 4th, in connection with Prince Wells' Cycle Derby. Answer. PRINCE WELLS,

and

THE FOUNTAIN FERRY CYCLE AND ATHLETIC ASSOCIATION.

Prince Wells is to be congratulated if he can secure one of the races between these great riders, as it will add great interest to his "Cycle Derby." Such enterprise deserves to succeed. Prince Wells is certainly up-to-date.

Good Cheer and Good Sense from the South.

J. D. Moore, of the Moore & Bindley Hardware Co., wholesale Hardware, Birmingham, Ala., in conversation with a reporter of HARDWARE concerning business in the South, said: "Business is good in this section. Comparing the periods of January to June, 1894, and January to June, 1895, our sales have increased 40 per cent., which we think is a better showing than the country as a whole can make. Our people are more hopeful and crops are good; consequently we anticipate a good fall trade. Our people are buying only to cover their legitimate wants. We trust this policy will be pursued and thus not raise unwarranted expectations, which would help to break the market later on."

Review of the Markets.

There is a steady increase in all departments of trade, without the feverish features which are present in mere "booms." This is the kind that remains and is of value to the whole country. A great corn crop is promised. The railroads report increased business. Increases of wages by manufacturers are of daily occurrence. Europe is again in the market for our stocks and bonds. Money is abundant and cheap for legitimate enterprises.

Hardware: There are still a few dealers who give conservative estimates of the condition of the trade, but the majority pronounce it as unquestionably good. The tendency in all lines affected by the increased cost of material, is to stiffen up. This is most notable in the case of Nails, Nuts and Bolts and Hinges. Jobbers and retailers are buying with less reserve, and a good many of the orders booked are of the stocking up character. There is a good demand for Builders' Hardware. Bicycles still remain in the front rank, the demand being undiminished. It is the same way with nearly all the makes, *i. e.*, the demand being ahead of the supply. Shelf and Heavy Hardware are also moving freely.

Cutlery: The import trade is still very quiet. In domestic lines, however, there is a fair demand and business seems to hold its own fairly well.

Locks: The market shows an improvement over what it has been recently, there being an increased demand. There is, however, no change in prices.

Hinges: There is the usual demand for Hinges. Jobbers and retailers are buying at the new prices without complaint.

Nuts and Bolts: At a recent meeting of the Bolt & Nut Manufacturers' Association, held in Cleveland, and to which we referred in a previous issue of HARDWARE, it was decided to make a 10 per cent. advance in prices, to take effect on July 1st. Practically, however, an advance of about 7½ per cent. is in force now, the jobbers forestalling the Association somewhat. The price of material going up caused the manufacturers to advance their prices.

Tacks: The demand continues fair, and the market may be said to be in better shape than it has been for some time. Prices remain unchanged.

Wire Nails: There is no change in the price of Wire Nails, the quotations being $1.20 base, Pittsburg, car-load lots on dock, New York, $1.35; out of store, $1.55. Mills have all the orders that can possibly be handled during June, and a price has not been fixed for July, though it is confidently expected that the price will be advanced 10 cents per keg. Manufacturers claim that they have no stocks or they could sell in advance of the Association prices now. Some express the idea that as soon as the supply exceeds or equals the demand, the upward tendency will be checked, the trouble now existing is that the demand by far exceeds the supply. The present condition of affairs seems to suit all hands, as there is more money in the business for all, from the man who draws the rods, to the man who markets the nails.

Cut Nails: The same conditions that exist in regard to Wire Nails will apply to Cut Nails. Prices remain the same. Car-load lots on dock, $1.30; out of store, $1.35.

Clapp & Co., bankers and brokers, New York, in their weekly financial letter say: "The motto on the silver dollar is being emphasized by the courageous men of field, factory and finance. Political and commercial pessimists offer their stock of woes and difficulties to a people too busy making money to hear or heed. The ripening harvest begins to call for the few who still stand idle in the market place. The mineral production in the United States in 1894 is valued at $553,352,996. The *Census Bulletin* says

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47.95 per cent. of all persons in the United States in 1890 over 10 years old were earning their own living. Nearly five times as many men as women were at work. It is estimated the silver owned and coined in the United States Treasury equals 1527 cords. One million dollars in gold weigh about two tons; one million silver dollars weigh nearly 30 tons. Andrew Carnegie is reported claiming the country at large does not realize the boom which has started in the industrial world. That iron and steel mills all over the country have contracted their full capacity for several months ahead, and many are actually unable to take additional orders. That since the bulk of their contracts were booked, there has been an advance of 50 cents in pig iron. This fall consumers will find they cannot place orders. The country is on the threshold of the biggest revolution in business it has ever experienced, and it is not a long way off."

White Lead, dry or in oil; Red Lead, and Litharge in kegs: In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents. Zinc: Present quotations, 3¾@4¼ cents for jobbing parcels, as to quantity and quality. Putty: The market is firm at $1.45@$2.25, as to quantity and style of packing. Linseed Oil: The quotations are for raw in barrels, 57 cents per gallon; boiled in barrels, 60 cents per gallon.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake	11½
Ansonia grade Arizona	11¼
" " Casting	10¾
G. M. B	10¼@10½

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl.	17c. ℔
Over 3½ to 5 " "	18c. ℔
Square and Hexagon Rods, 1c. ℔ extra.	

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive	18c. ℔
Over 3½ to 5 " "	19c. ℔

Antimony.

Hallett's	8
Cookson's	9

Lead.

Foreign	nominal.
Domestic	3⅝@3¾

Spelter.

Western Spelter	4@4¼
Bertha (pure)	6¾@7

Zinc.

600 ℔ cask	6½
Per ℔	7

Tin.

Straits, Pigs	15½@15¾
Straits in Bars	17

Tin-Plate.

Coke Tins:	
I B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.15
Do. 20x28	8.30
D. R. D. grade, 14x20	4¾
Do. 20x28	8½

THE CLEVELAND TRADE.

In looking back over the past two weeks we find that there is nothing in the situation to discourage, but rather everything to encourage. The advances in prices which have been made are supported by public sentiment, and it is therefore safe to predict that they are permanent; indeed, we find many who believe that a still further advance will come before long.

Seasonable goods continue to move in large quantities, and all staple goods are in active demand from those who desire to purchase before another advance.

The prospects for fall are excellent, and if nothing occurs to injure the crops we will undoubtedly see a very decided improvement in business from the first of August on.

THE PHILADELPHIA TRADE.

It is pleasing to report that, although the season is very late and the usual midsummer dullness should now make its appearance, trade is still keeping up to an unusual extent, and while prices are still advancing they have by no means reached the limit.

The phenomenal demand for bicycles shows few signs of dropping off, and we are so far behind on orders that we dread the sight of a telegram. A few days ago, when there seemed to be a temporary lull, we were rash enough to send out some postals stating that we had a small stock; this has brought us such a deluge of orders that we are more than ever behind. The bicycle craze of 1895 will (unless it is eclipsed by that of 1896) be long remembered as a most remarkable trade episode; indications, however, point to a still larger demand next year, as the popularity of bicycling seems to be deservedly on the increase.

The advances in the prices of Hardware are still maintained, and as most of them have been very moderate, dealers are usually very willing to pay a small advance which is asked.

Wire Nails are very firm and higher prices are promised for next month, and while the advance in Wire Nails is apparently heavy it is more than justified by the advance in raw material.

Billets have advanced fully $5 per ton and Rods some $6 to $7 per ton. The advance in raw material in turn is caused by the advance in labor, coke, etc., so that the higher prices seem to rest on a sure foundation, and it may reasonably be expected that the low prices which have prevailed for the past two years are to be succeeded by a period when values will be nearer the just figure, manufacturers and dealers alike will be able to realize a living, and like the prophets of old we say:

"Hasten the day!"

BIDDLE HARDWARE CO.

THE BOSTON TRADE.

There seems to prevail through the Hardware trade a more cheerful feeling than has been noticed for the past five years. Orders are coming in freely, and retailers seem to be impressed with the fact that the low prices which have prevailed can no longer continue, and are anticipating their future wants to a limited degree.

Reports from factories, cities and towns throughout New England show that labor is more generally employed than last year, and an increase in wages which has already been made and is likely to follow, must necessarily increase the purchasing power to that extent that we feel assured that the outlook for autumn business is very promising.

Staple goods are advancing, as right they should, and we welcome any legitimate change in this direction, and only hope that manufacturers will act judiciously, and prevent disastrous consequences that always follow a commercial boom.

FRYE, PHIPPS & CO.

THE ST. LOUIS TRADE.

We can truly say that the Hardware business of our city has kept up remarkably well during this month, owing in some measure to the advance made in prices by the manufacturers of all lines of staple goods, and also on account of depleted stocks in the hands of the country merchant. Abundant rains have fallen during the last three weeks in St. Louis territory, which assures good crops in all sections. In Texas, Arkansas, Mississippi, Kansas, Nebraska, Missouri and all Western States the outlook for future business is good. Prices are firm. Some lines of Hardware are scarce and a better feeling seems to be the sentiment along the whole line.

A. F. SHAPLEIGH HARDWARE CO.

THE MINNEAPOLIS TRADE.

The business outlook in the Northwest shows a decided improvement. Jobbers are quite busy, country orders coming in freely. The recent advance in iron, nails, barbed wire, etc., seems to meet with universal favor, even with people who buy for consumption, all appreciating the fact that prices have been too low, and the advance shows indication of a revival of business. May the good work go on, but not be overdone.

The writer, upon his return home from a short trip East, had the pleasure of taking a daylight trip covering a portion of the distance between Chicago and this city. There was a marked contrast between the condition of the crops here and further east. Reports from all parts of the Northwest show the same favorable condition. Plenty of rain in all sections. Good growing weather. The country could not look more beautiful than it does at present, and with wheat 75 to 80 cents per bushel, should these conditions continue until after harvest, the Northwest will be in con-

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My dear, dear Lord,
The purest treasure mortal times afford
Is spotless reputation---That away
And wheels may be painted iron or gilded clay;
An honest cycle that has stood the test,
Is the famous one with the Humber crest·
In quality is its fame; both grow in one;
Take quality from it and its fame is gone.

HUMBERS have been the favorite Bicycles of two generations of riders. They are still the - - STANDARD.

Humber & Co., America, Ltd.,
No. 318 Broadway,
New York.

dition to purchase large quantities of merchandise and pay up back interest on mortgages held in the East and do considerable towards reducing them.

Building operations in the Twin Cities are not extensive, but quite an improvement on last year. It is a little early yet for us to expect much in this line. Labor, as a rule, is quite well employed. The city is expending a large sum of money on a reservoir and filter, and a new dam across the river a short distance below St. Anthony Falls also employs a great many men.

The saw mills are running in full blast, the greater part of them day and night.

The new dam referred to will give us about 10,000 horse power, an increase of about 50 per cent. It is proposed to utilize this by electricity, and probably the power for the street car system for the two cities will be supplied.

There has been no particular change in the local Hardware situation, dealers generally reporting a little improvement in business, but believe that the Fall will show still further gain, all being willing to pay higher prices on goods and anxious to do business for a while on the advancing market.

W. K. MORISON & CO.

The Marlin Fire Arms Co., New Haven, Conn., are distributing a neat and handsome pack of playing cards. These are sent, as in the past, on the receipt of fifteen cents in stamps or coin, and distributed to their customers with goods. A significant feature is found on the front cover of the package, where a hand of four aces is found, accompanied by this explanation: "This is the way a man feels behind a Marlin Rifle. He knows he is safe and all the game in sight is his."

The Forehand Arms Co., Worcester, Mass., have presented the Worcester Sportsmen's Club with a handsome silver trophy, to be shot for by the members of that club.

HALL & ELTON'S
GERMAN SILVER.

1887 Half a Century. 1895

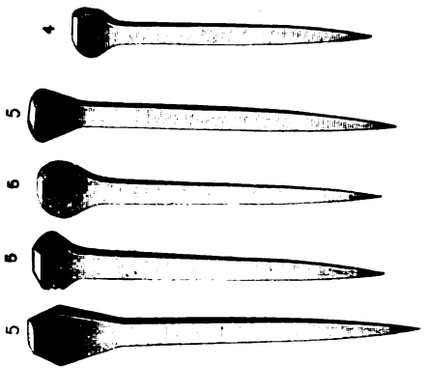
The Pioneer Makers of German Silver Goods.

HALL, ELTON & CO., Wallingford, Conn.

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The PUTNAM Hot-Forged and Hammer-Pointed Horse NAILS

Are made in Sizes and Styles as below:



TURF NAILS, Nos. 1 to 5

FRENCH HEADS, for punched shoes without creases, Nos. 3 to 7.

REGULAR HEADS, Nos. 5 to 14.

CITY HEADS, for shallow creased shoes, Nos. 5 to 9.

COUNTER HEADS, or FROST NAILS, Nos. 5 to 9.

Prices of these styles are the same as for Regular Heads of the same size.

The **only** Horseshoe nails in the world made precisely the same as the old-fashioned, hand process, being exclusively **Hot Forged and Hammer-Pointed.** This **hammering** (not pressing, rolling or shearing) while the metal is at welding heat blends all the particles into a compact, firm nail that outwears all others and will **Never Split, Sliver or Break.** *They are not sheared but have smooth edges clear to the point.*

The attempts of other manufacturers, in their advertising, to identify their product with the Putnam Nail leads us to state that the PUTNAM NAIL is made SOLELY by us in the ONLY RATIONAL WAY a GOOD horsenail can be produced.

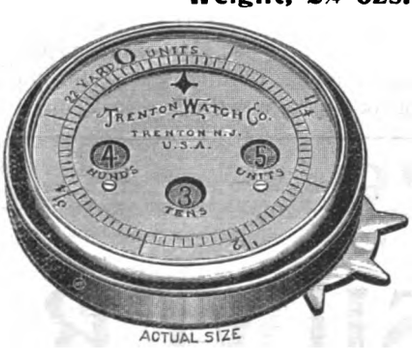
Nickel-plated Mascot Ring for 10 Cents in Stamps or Silver.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

The Latest Novelty. The Greatest Novelty.
The Best Cyclometer.
THE "TRENTON."

Made of Aluminum.

Weight, 2¼ ozs.

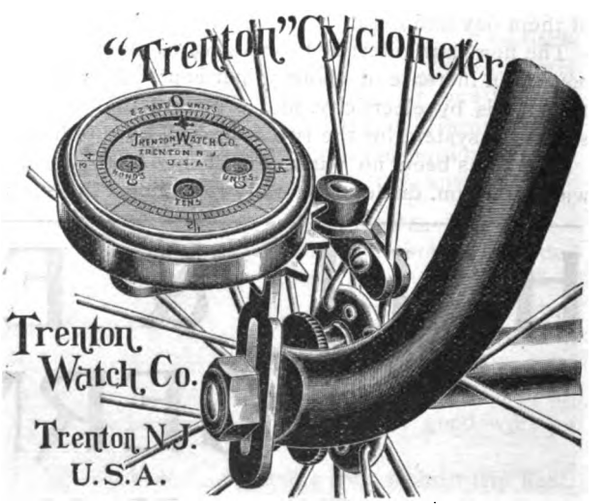


ACTUAL SIZE

Registers 1000 miles and repeats.

Points of Excellence.

Small size.
Handsome appearance.
Absolute accuracy.
Strength and durability.
Noiseless and positive action.
Extreme lightness—weight, 2¼ oz.
Dustproof and waterproof.
Can be read at a glance from the saddle.
Beautiful satin finished ALUMINUM dials which will not break or crack.
Polished ALUMINUM case, which is but ⅓ weight of nickeled brass.
Scientific construction and careful inspection of all parts.
Can be run BACKWARD or forward at a HIGH rate of speed without danger of injury to instrument or bicycle.
Fully guaranteed.
The greatest value for the least money ($2.00).



Why not have the best when it costs so little? $2.00.

DEALERS don't need to push "Trenton" Cyclometers. They sell themselves, if you give them a chance.

Order a sample from your Jobber and accept no substitute.

TRENTON WATCH CO.,
TRENTON, N. J.

Kindly mention "HARDWARE."

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A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

The Trenton Watch Co., Trenton, N. J., whose new Cyclometer is illustrated upon page 32 of this issue, state that they have received many strong expressions of approval regarding it, and that although they have been filling orders for but a short time, many have been already duplicated. They add: "We recently ran one in the machine shop, with star wheel chucked up in lathe, 130,000 miles, at the rate of a mile in four seconds, and the same distance backward at the rate of a mile in three and a half seconds, and upon examination could find no perceptible wear. We have also been testing them by making them register on rapidly running lathe, at the rate of a mile in two seconds, and have even speeded them at the rate of a mile in one second, but at this terrific rate they got hot, although we have had none break under the test." The attention of the trade is called to their special announcement upon page 48 of this issue.

Notice of a ten per cent. increase in wages has been given in the works of the National Malleable Castings Co., Cleveland, Ohio. The action was voluntarily on the part of the company, and was taken because of the improvement in business. The Eberhard Mfg. Co. took similar action. The Eberhard Co. employ 1100 men and the National Co. 900.

Parson Sam Haines of Indianapolis, has shed the light of his pleasant presence upon his friends in New York during the past week.

A YOUNG Englishman (23) desires position in Hardware or cutlery; eight years' experience; 2½ London. Splendid references Whole sale or retail. James R. Bayley, No. 97 Varick Street, New York.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.

25c.

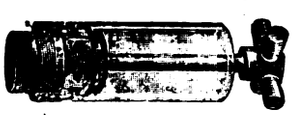


Regulates supply of oil to a drop.

DOES NOT LEAK.

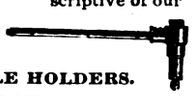
Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS



CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,
No. 3 Garden St., Bridgeport, Conn.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

SHOOT BLUE ROCKS.

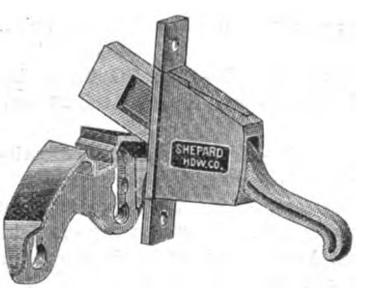
You cannot do so unless you have a good trap and Electric pull. ∴ ∴ ∴

Our export trap and electric pull fills the bill. For sale by all Jobbers.

The Cleveland Target Co.
CLEVELAND, OHIO.



"THEY TAKE THEM ON SIGHT."



That's how a large Hardware dealer describes the appreciation of his customers in regard to our **Gate Hinges** and **Latches, Blind** and **Shutter Hinges,** and **Frame Pulleys** of the **"Original" Clark** and other patterns formerly sold by the **Shepard Hardware Co.,** of Buffalo, N. Y., whose business in these lines we have acquired by purchase.

☞We are the SOLE Manufacturers.

THE WRIGHTSVILLE HARDWARE CO., - - WRIGHTSVILLE, PA.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Argyle, N. Y.—Mrs. Ellen L. Johnson.
Bradford, Vt.—John A. Sargent.
Decatur, Ala.—Wm. Tucker.
Frenchtown, Mich.—Simcox Bros. & Co.
Harrison, Ark.—M. M. Padden.
Ludington, Mich.—R. J. Goodsell & Co.
Morris, N. Y.—C. H. Borden.
Pawnee City, Neb.—Meek, Skinner & Co.
Rockland, Mass.—Arthur Higgins.
Saginaw, Mich.—R. H. Gillett & Co.
Salem, Wis.—George Phillips.
Woodsville, N. H.—E. H. Lowther.

Record of Changes.

Anita, Iowa.—King Hardware Co., Hardware and agricultural implements, reported succeeded by Doty & Thayer.

Annapolis, Md.—John Copeland, Hardware, reported succeeded by John H. Pickett.

Appleton, Wis.—Peterson & Tesch, Hardware; William Tesch sold interest to Ernest Koss.

Bellefonte, Pa.—The Hardware firm of H. A. McKee & Bro. have dissolved by mutual consent, James D. McKee retiring. In the future the business will be conducted by H. A. McKee.

Charlottesville, Va.—R. L. Thomas, Hardware, succeeded by H. D. Purvear.

Cloverdale, Ind.—Morris & Layne, Hardware, reported as having dissolved partnership.

De Kalb Junction, N. Y.—Perley Walker has purchased the Hardware store of M. D. Alverson.

Dickson, Tenn.—Anderson & Pett, Hardware, have dissolved partnership; business to be continued by W. T. Anderson.

Dickson, Tenn.—V. B. Miller, Hardware, etc., reported sold out.

Graceville, Minn.—J. T. Sanderson, Hardware, reported succeeded by C. S. Pierce.

Graham, Va.—J. G. Bailey, Hardware, business sold to A. H. Beall, who will continue business at the old stand with Mr. Hansbarger in charge.

Hamlet, N. Y.—H. B. Parker, has sold his Hardware to John Warner.

Hampton, Ky.—Hardy & Warten, Hardware dealers, reported to have gone out of business.

Keene, N. H.—H. H. Stone has retired from the partnership of Spencer & Co., Hardware dealers.

Kensington, Minn.—Hoyde Bros., Hardware, reported succeeded by H. Hoyde.

Kingwood, W. Va.—J. K. Monroe, Hardware, reported now Jackson & Monroe.

Logan, Kans.—J. D. Edmond, Hardware, reported sold to E. I. King & Co.

Middletown, Conn.—Bailey & Stothart, stoves, etc., reported dissolved, J. H. Bailey continuing.

Milford, Tex.—The firm name of Turner, Williams & Co., dealers in Hardware, etc., has been changed to Oldham, Williams & Co.

Moravia, N. Y.—Casey & Baird, Hardware reported as having dissolved.

Nevada, Mo.—W. H. Mays of Harwood, has sold his Hardware store to John Gozott.

Newberne, Tenn.—Hamilton Bros. & Co., Hardware, etc., business now conducted under the name of Hamilton Bros.

New Bedford, Mass.—Otherman & Dunham, Hardware, reported discontinued; Dunham continuing.

Norman, Okla. Ter.—Victor Nelson, Hardware, stock purchased by M. E. Freeman, of Gainesville, Tex.

Northville, Mich.—John Ebbitts, of Grant, Newaygo County, has purchased the J. P. Winters Hardware store.

Oldtown, Me.—Daniel Sawyer, stoves, sold to Blanchard & Bradeen.

Orange, Mass.—Damon & Gould of Fitchburg, have purchased the Hardware business of F. P. Carruth of this town. A stock company will be formed for operating the store, which will be known as the Orange Hardware Co.

Quanah, Tex.—W. G. Lewis & Co., Hardware, C. J. Green's interest purchased by W. G. Lewis, who will continue the business in his own name.

Rector, Ark.—J. H. Lantham's Hardware stock, purchased by Isaac Lesem & Co.

Reedsville, Pa.—Albert Foster has sold his Hardware store to F. M. Womer, of Greenwood Furnace, who takes charge at once.

Ridgefield, Ill.—Jordy & Ogbin, Hardware and lumber, reported as having dissolved.

Sheboygan, Wis.—Wm. Trowbridge, has purchased the Hardware stock of the late H. C. Laack, at Plymouth.

Waco, Tex.—Horsful & Cameron, Hardware, reported succeeded by William Cameron.

Waldo, Ark.—J. A. Hall & Co., Hardware, stoves, etc., have succeeded J. A. Hall.

Waltham, Mass.—The Hardware firm of Atwood & Gove, Lincoln Block, have dissolved Mr. Gove being the retiring member.

Williamsport, Pa.—S. Q. Mingle has sold his Hardware and stove stock to the Williamsport Hardware & Stove Co.

Wolfeborough, N. H.—The Hardware and plumbing business heretofore conducted by the late George F. Horn, will be continued at the old stand in Folsom's Block, by H. R. Horn & Co.

Improvements and Removals.

Bay City, Mich.—W. C. Grisdale, Hardware dealer, is about to build a brick store, on the lot he has purchased of G. C. Beebe.

Biddeford, Me.—McKenney & Heard, Hardware dealers, are to erect a new business block for their own occupancy. The structure will be of brick and 100x30 feet in size.

Hamilton, N. Y.—Chas. Gulbran has moved his Hardware store into the Phoenix block.

Helena, Ark.—W. A. Tappan, is erecting a new Hardware store.

Lake Odessa, Mich.—McKelvey & Townsend have bought two lots on the east side of Fourth Avenue and will begin at once the erection of a Hardware store.

Montello, Mass.—C. H. Waterman is fitting up the store in Field's block and will occupy it for a Hardware store when completed.

Peoria, Ill.—H. J. Ehlen, Hardware dealer, has just completed and moved into a $10,000 brick building.

Princeton, Ill.—Andrew Smith is erecting a brick building at Bureau Junction that will be used by himself and brother William as a Hardware store.

Saginaw, Mich.—John G. Beer has removed his Hardware store to his new store building on Court Street, just across from his former locatien.

Springfield, Mass.—Thayer & Law are about to remove their stock of Hardware to the store recently vacated by B. Frank Steele.

St. James, Minn.—H. J. Roder, Hardware, reported as moving to Heron Lake.

Toledo, Ohio.—Horace Clapp, dealer in Hardware, is erecting a store room which will be finished in about two months.

Tuscaloosa, Ala.—The Allen & Jemison Hardware Co. are making an addition to their store which will add to the capacity of their establishment. The addition is 12x110 feet and will be used for storing pipe, iron, steel and railroad supplies.

Business Embarrassments.

Concord, N. H.—Humphrey & Dodge, Hardware and iron firm, have made an assignment.

Franklin, Mass.—Wm. D. Huntoon, dealer in Hardware, has assigned.

Gloversville, N. Y.—O. H. Cromwell, Hardware dealer, has assigned to Harvey E. Cromwell.

McArthur, Ohio.—George W. Ullum, Hardware, on Main Street, has made a voluntary assignment for the benefit of creditors. The amount of indebtedness is reported to be about $10,000.

Burglaries in Hardware Stores.

Baraboo, Wis.—Marriott Bros., $200.
Canton, Minn.—Johnson & Snyder, $300.
Hastings, Iowa.—A. J. Krousbein, $75.
Laporte, Ind.—Thomas Murdock, $1600.
Lincoln, Neb.—Cook & Moore, revolvers.
Mt. Sterling, Ohio.—Campbell Bros., $30.
Providence, R. I.—Wm. B. Thompson, cutlery.
Raleigh, N. C.—A. E. Lloyd & Co., $35.
Waucoma, Iowa.—J. W. Kieron, $200.
Wilmot, Wis.—B. H. Tabor, $300.

Fires in Hardware Stores.

Angelica, N. Y.—Hooker Hardware Co.'s store destroyed by fire.

Chippewa Falls, Wis.—Jesse R. Sharp's Hardware store damaged by fire.

Dalton, Pa.—Rice & Sons, Hardware, store burned.

Galien, Mich.—Prince Bros. Hardware, store damaged by fire,

Horseheads, N. Y.—Thos. Hibbard, Hardware, reported damaged by fire to the extent of $13,000; insurance, $5400.

Knoxville, Tenn.—S. B. Luttrell, Hardware, damaged by fire to the extent of $15,000.

Malden, Ill.—Pierson's Hardware store damaged by fire.

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YOU CAN ALWAYS TELL

which bicycle is the most popular, most satisfactory, most pleasing to the fastidious eye, and the keenest competitor, by what its business competitors say about it. The dealer

WHO IS HURT BY

such competition as our customers are able to put with our line of **New Clippers,** generally tells you that **Clippers** are "no good," they "run hard," are "ice wagons," etc., etc. We have been

NOTICING WHO HOLLERS

lately; its those who can't find a better line to compete with those "ice wagons"; they hurt because they stand up and give satisfaction If you want a Bicycle Built for Business, just **try** a **New Clipper** before you buy. We'll be willing to submit to your unprejudiced judgment.

Bicycles Built for Business.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. **NEW YORK.**

SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

CYCLOMETERS.

AMERICAN INDICATOR CO.,
LAWRENCE, MASS.

No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.

Descriptive circulars on request.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.

INDISPENSABLE TO WHEELMEN.

Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.

Send for Catalogue.

C H. LAMSON, Portland, Me

Making Money

Selling bicycles depends upon the repairs.

The ***less repairs,*** the ***more profit*** to the hardware dealer.

The Sterling

(Built like a watch.)

is the ***only*** wheel that never needs repairs.

Send for Catalogue.

STERLING CYCLE WORKS,
236-240 Carroll Ave.,
CHICAGO.

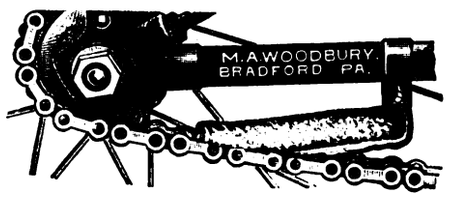
The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.



WOODBURY'S

Automatic Dry Chain Lubricator and Duster for Bicycles

—HAS NO EQUAL.—

Weight, ½ oz. **Price, 25 cents.**

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 Pounds



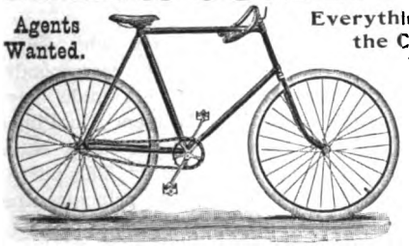
CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are **$75.00 $60.00 $50.00 $40.00**

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.
Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Akron, Ohio.—A company is being organized, with a capital stock of $75,000, for the manufacture of bicycles.

Albion, Mich.—Roy Wiley and others are interested in the establishment of a bicycle factory. A company is being organized for this purpose.

Alexandria, Va.—The Brott Electric Bicycle Co. has amended its charter, changing its name to the Brott Rapid Transit Co., and increasing its capital stock.

Araville, N. D.—Carvel & Stevens are opening new Hardware store, and will take up bicycles, if inducements are offered by bicycle manufacturers.

Charleston, S. C.—The Marshall & Westcoat Co., incorporated with Julius J. Westcoat, president; John B. McManee, vice-president; J. T. Humphreys, treasurer; J. R. Tobias, secretary, to engage in the Hardware business. The company has a capital stock of $100,000, and will take up bicycles.

Collinsville, Ill.—Kirschbaum Hardware Co., incorporated with a capital stock of $5000, and will take up bicycles.

Forestville, Conn.—E. D. Rockwell has purchased machine shops, and will probably convey the property to the Liberty Light Co., which has recently been organized, and which company will manufacture bicycles.

Hubbard, Iowa. — Chilson & Fannon, Hardware, bicycles, etc., new firm organized to succeed to the business of the Hubbard Hardware store.

Kaukauna, Wis. — Butler & Guessenheimer, bicycles, have commenced business, having been appointed agents for the Waverley.

Lafayette, Ind.—R. L. Jaquey, books and stationery, has added a bicycle department, handling the Spalding wheel.

Ligonier, Ind.—Steps are being taken looking to the establishment of a bicycle agency. A bonus of $1500 has been raised for this purpose.

Little Falls, N. Y.—Snyder & Fisher, knitting manufacturers, will change their plant into a bicycle factory. They expect to get into operation by the fall, and will give employment to seventy-five operatives. They will manufacture a high grade wheel.

Louisville, Ky.—W. W. Knofel, manager for the Western Cycle Exchange, has been appointed agent for the Monarch, Chicago Special and Defiance bicycles, and has opened for business at No. 131 West Market Street.

Maplewood, Mass.—Fernald & Bliss, bicycles, have opened new store in the Maplewood block.

Medford, Wis. — F. R. Zeit, bicycles, commenced business, handling the Crawford and the Andrae.

Milwaukee, Wis.—Philip Gross & Son, bicycles, have commenced business, handling the Eagle Altiar.

Minneapolis, Minn. — The Minneapolis Cycling Co. has been incorporated by Geo. H. Gillette, C. D. Bates and others, with a capital stock of $100,000.

Mobile, Ala. — Arnbrecht & Patterson, bicycles, new firm commenced business, handling the Spalding, Outing, Union and Ontario bicycles.

New York, N. Y.—The United Cycle Co. has been incorporated, with a capital stock of $10,000, the directors being J. B. Pendleton and J. J. Douglass, of New York City, and M. L. Ohr, of Brooklyn.

Norfolk, Neb. — John Friday, bicycles, will open a new store.

Norway, Mich. — F. C. Cole, bicyclist, commenced business, having the exclusive agency for the Crescent Wheel.

Pettisville, Ore.— Conrad Mohr, implements, bicycles, etc., opened a new store.

Pittsfield, Mass.—L. L. Atwood will commence the manufacture of bicycles shortly. He will have some of the parts manufactured in England; all of the enameling, plating and machine work being done in Pittsfield.

Racine, Wis. — Spencer Hall and others are reported to be organizing a company, with a capital stock of $50,000, to manufacture a newly patented bicycle, the plant of which is owned by Mr. Hall.

Richmond, Ind.—M. C. Henley, manufacturer of roller skates and other sporting goods, contemplates going into the manufacture of high grade bicycles. The present factory will be thoroughly equipped with all the modern appliances for the manufacture of bicycles, and every arrangement is being perfected, by means of which the output of wheels from the start will be extensive.

San Jose, Cal.—San Jose Hardware Co. has been organized, with a capital stock of $25,000, and will inaugurate a bicycle department.

San Sabre, Tex.—Grey & Withite is a new firm composed of T. M. Grey and J. M. Withite, who will conduct a general Hardware, sporting goods and bicycle business.

Sioux Falls, S. D.—Steps are being taken, looking to the organization of a company for the manufacture of bicycles.

St. Louis, Mo.—A number of local capitalists are organizing a company, with a capital stock of $50,000, to establish a bicycle manufacturing plant.

Terre Haute, Ind.—Macauley Bros., stationers, have opened a bicycle department, and report business satisfactory.

Toronto, Can.—The Massey-Harris Hardware Co., limited, manufacturers of agricultural implements, have decided to engage extensively in the manufacture of bicycles, and are erecting for this purpose a five-story factory building, which will be equipped to turn out between 5000 and 10,000 wheels per annum. They will manufacture a high grade wheel. The same company have had under consideration for some time past the erection of a branch factory in the United States, but have deferred this matter for the present, owing to the serious illness of the president of the company. The subject is to be again taken up as soon as he recovers.

Union City, Ind.—A company is being organized, with a capital stock of $40,000, for the manufacture of bicycles.

Washington, D. C.—G. N. Cross, No. 610 Thirteenth Street, N. W., is organizing a company to manufacture an improved bicycle lock, which has received the commendation of many prominent bicycle men. The important feature about it is that it is fastened to one of the bars of the bicycle, and does not have to be carried in the pocket, as with other bicycle locks. Mr. Cross is preparing to place a small quantity of stock in the new company. The lock will probably sell for $1.

Washington, D. C. — Central Bicycle Store has commenced business at No. 402 Fifth Street, N. W.

Changes and Removals.

Fairview, Ark.—W. C. Horton, Hardware, bicycles, etc., has been succeeded by Newton & Co.

Fort Bragg, Cal.—George A. Johnson, bicycles, reported as having sold out.

Lamoni, Iowa.—Thomas Teale & Son, Hardware, has been succeeded by the Lamoni Hardware Co., with which W. Reese is also interested. The reorganized concern will take up bicycles.

San Diego, Cal.—C. H. Edwards, bicycles, has been succeeded by a new firm under the name of Tibbals, Hannahs & Cobb.

New Goods and Improvements.

Gas City, Ind.—J. R. West is introducing the Universal Tire Setter.

Indianapolis, Ind.—The Hay & Willits Mfg. Co., who manufacture the Outing Bicycle, have moved into larger quarters, at No. 76 North Pennsylvania Street.

New York, N. Y.—The Anglo-American Cycle Fittings Co. have removed their business to No. 105 Chambers Street, where they occupy the entire fourth floor. This company have just put on the market a new celluloid tipped cork handle in white, black and imitation tortoise shell.

Correspondence Solicited.

Decatur, Ala. — William Tucker, Hardware, bicycles, etc., has commenced business, and invites correspondence from manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Finchford, Iowa.—C. H. Stears, of Janesville, Wis., is preparing to open a new bicycle store. Propositions from bicycle manufacturers solicited.

Philadelphia, Pa.—Party who does not desire to be known, desires correspondence with manufacturers of high grade bicycles wishing to establish an agency in Philadelphia. He may be addressed as N., 295, care of Philadelphia *Press*. This party has a fine store on one of the principal streets, and enjoys a first-class trade.

Miscellaneous.

Bridgeport, Conn.—Bridgeport Cycle Co. announce that one of the partners will retire from business, and is offering to sell a half interest in the company, which has been established five years. The plant is well equipped, and has a repair shop with all requisite power.

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IF YOU WILL ONLY EXAMINE "THE MONARCH"
YOU WILL TAKE THE AGENCY
FOR NO OTHER WHEEL.

WE ANTICIPATED THE UNPRECEDENTED DEMAND FOR



THE Monarch WHEELS,

AND HAVE NEVER FAILED TO SUPPLY THE TWO FAVORITES,

MODEL 9, 24 Pounds, $85.
MODEL 10, 22 Pounds, $100.
} THEY LEAD THE WORLD.

EASTERN BRANCH:
97 Chambers Street,
NEW YORK.

Monarch Cycle Mfg. Co. C. F. GUYON CO., Ltd. Managers.

RETAIL AGENTS:
NEW YORK { H. & D. FOLSOM ARMS CO., 314 Broadway.
E. A. BOERMAN, 44th Street and Lexington Avenue.
THE ROWLAND CYCLE CO., 2659 Third Avenue.
BROOKLYN { H. & D. FOLSOM ARMS CO., 1201 Bedford Avenue.
J. F. MARSTERS, 55 Court Street.
SHEPHERD & SHEPHERD, 26th Ward.

Shrewd Hardware Dealers . . . .

KNOW THE VALUE OF FINE STEEL OVER INFERIOR GRADES. . . . .

THE FRAMES OF

HELICAL TUBE PREMIERS

Are made of finer steel than can be used in any other bicycle, resulting in lighter wheels combined with greater strength. We are placing agencies with responsible parties only, and if there is no "Premier" agency in your town it will pay you to write us for catalogues and terms.

PREMIER CYCLE MANUFACTURING CO.,

34, 36 & 38 Watts Street, New York.

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To The Hardware and Cycle Trade:

We are offering the finest lines of the following goods in New York City and specially **commend them** to those who are **re-fitting their stores or establishing new ones. Our prices are the lowest** in the market, consistent with high quality goods. ∴ ∴ ∴ ∴ ∴

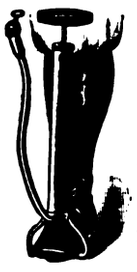


Empire Desk Co., Have removed to 307 Canal St., and 49 Howard Street, New York.

— MANUFACTURERS OF —

ROLL-TOP DESKS, STORE STOOLS, CASHIERS' AND TYPEWRITERS' DESKS, FILING CASES, CHAIRS,
And the Largest Line of OFFICE FURNITURE in New York.

Office Partitions, Railings, Sample Tables, or any kind of Special Work to order.



HEATH PUMPS.

Have you ever tried one with a

Universal Coupling?

Fits any Valve---Lasts a Lifetime.

All reliable dealers sell the genuine HEATH PUMPS.

S. F. HEATH CYCLE CO.,

ELASTIC TIP CO., MANUFACTURERS,
Boston, N. E. Agts. Minneapolis, Minn.

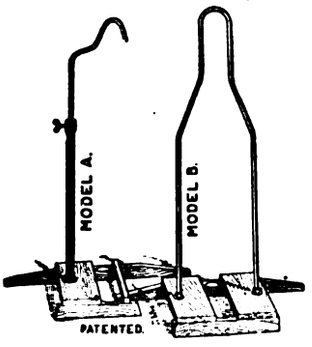


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Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM,
CLUB HOUSE OR HOME

— Price, $1.00 Each. —

FOR SALE BY LEADING BICYCLE DEALERS.

— Manufactured by —

Wm. M. Justice & Co.

PITTSBURG, PA.

Liberal Discount to the Trade.



THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.

Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.

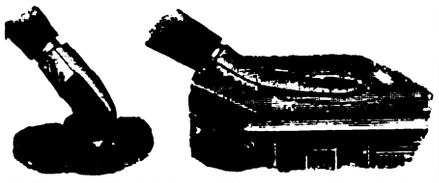
MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE.

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313-315 B'way, New York.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

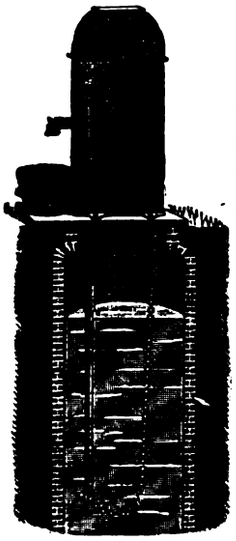
BOSTON TAPE MFG. CO., 137 Pearl St., BOSTON.

Manufrs. of Useful Adv. Mediums.

Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT
Galvanized Iron
Tubing and Curb



No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.

More Durability.
Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue.

Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.

MYERS REVERSIBLE STEEL AND WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

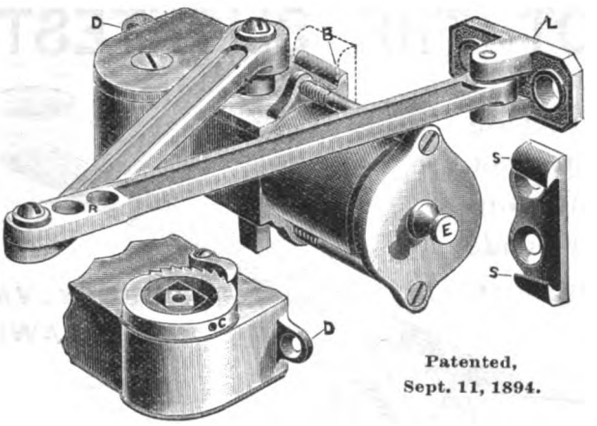
The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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THE ROYAL DOOR CHECK AND SPRING.

The Latest, Cheapest, Best.



Patented, Sept. 11, 1894.

Simple, Compact, Strong, Durable.

The ***Royal*** has a ***compressed air check.*** No liquids to freeze up or leak. Doors open easily. No back suction. Easiest attachment. Does not require a skilled mechanic to put them on. Improved ratchet for increasing tension on spring. Will fit right or left-hand doors.

PRICE-LIST:

		BRONZED.
No. 1, for Light Screen Doors	each,	$1.40
No. 2, for Medium Inside Doors	"	3.30
No. 3, for Large Inside or Small Store Doors	"	4.30
No. 4, for Large Store or Vestibule Doors	"	5.60
No. 5, for Extra Large Doors	"	7.00

Packed One Dozen in a Case. Write for Trade Discounts

DIRECTIONS.

Place the shoe (S) in an upright position on the door, about six inches from back and flush with the top; *fasten securely;* slide the check into the shoe until the lugs (B) fit solid, then put in the end-screw (D). Bring arm (L) down to the transom-rail till it rests firmly, then put in the screws and the spring is ready for adjustment.

HOW TO ADJUST IT.

The thumb-screw (E) regulates the air check. A very slight turn changes the result. If the door slams, tighten it up. If it checks too soon, loosen it. It should check about three inches from the closing. If the spring is weak, increase the tension by turning up the ratchet-wheel (C) one cog. Care should be taken that the spring is not made too strong. If the spring swings the door easily, it is strong enough. Regulate the closing by the screw (E). In case that the transom-rail has a raised moulding, shorten the arm (R) by changing it into the next hole. Also, in putting the arm on the pintle, see that it is *securely fastened* and *rigid.* The checks are reversible for right or left-hand doors by simply changing the arms from one side of the pintle to the other. Follow the above directions, and the spring will give good satisfaction.

W. H. QUINN & CO.,

General Agents. 108 Chambers St., New York.



THE SAMUEL I. GOODALL CO.,

MANUFACTURERS OF

Bailey Pattern Planes, Try Squares Bevels, Etc.

Philadelphia, Pa., U. S. A.





L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839. Registered March 31, 1874. Patented July 6, 1880. Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO., JOHN H. GRAHAM & CO. } New York Agents.



For Butler's Pantry

and all other Swing Doors, the best device is

BARDSLEY'S CHECKING SPRING HINGE.

It goes in the sill under the door and works in oil. Send for catalogue showing this and the best line of

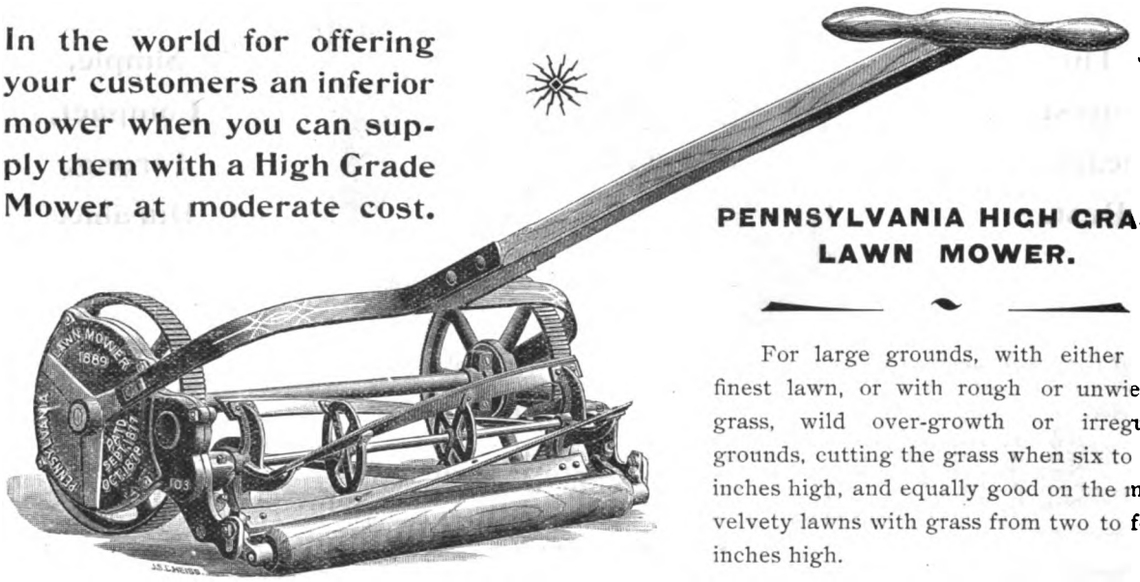
WOOD DOOR KNOBS, DOOR STOPS, &c.

J. BARDSLEY, 149 Baxter St., New York.

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In the world for offering your customers an inferior mower when you can supply them with a High Grade Mower at moderate cost.



PENNSYLVANIA HIGH GRASS LAWN MOWER.

For large grounds, with either the finest lawn, or with rough or unwieldy grass, wild over-growth or irregular grounds, cutting the grass when six to ten inches high, and equally good on the most velvety lawns with grass from two to four inches high.

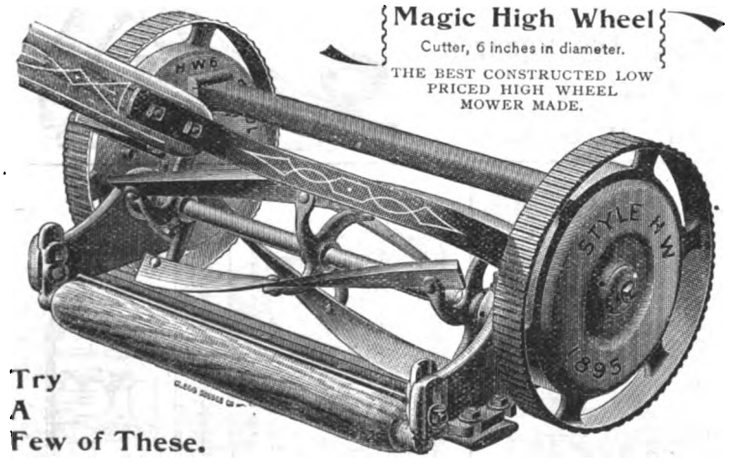
Not **HOW CHEAP** But **HOW GOOD.**

Supplee Hardware Co., Philadelphia.

MANUFACTURERS OF THE

Pennsylvania. **New Departure.** **Great American.**
Continental. **New Quaker City.** **Rapid Transit.**

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS



Try A Few of These.

WERE THE **OFFICIAL** MOWERS OF THE **Columbian Exposition.**

OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters from D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,
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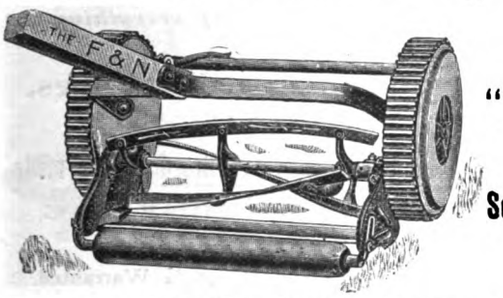
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WHOLESALE
Hardware and Farming Tools
Office, 35 Barclay Street. Warehouse, 40 Park Place.
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SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

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Advertise in
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—Manufacturers of—



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"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS, WHICH ARE UNEQUALED.

"Self-Closing" Tomato Vine Supports.



IN USE

Cost little to get.
Nothing to keep.
Take little space for storage.
Prevent the tomato from rotting.
Allow it to ripen evenly.
Add to the appearance of the garden.

Write us for Prices and Catalogue.

We have other styles.



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Largest stock in New York City, consisting of

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Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

Line for 1895.

List Now Ready. Send for It.

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Dumb Wait-ers..... that don't keep you waiting.

Simple, smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO., Send for catalogue. NEWARK, N. J.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

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DUMB WAITER and HAND ELEVATOR FIXTURES.

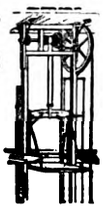
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Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

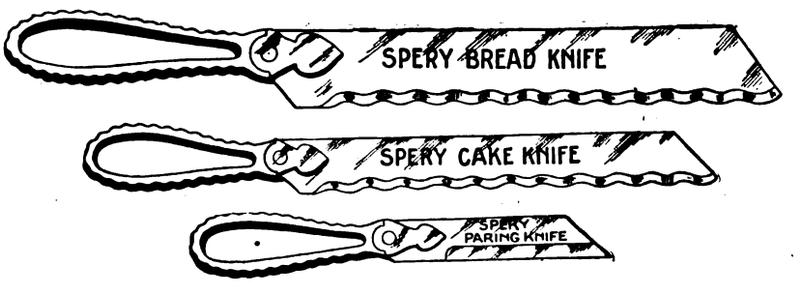
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We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street, DAVID EASTMAN, Manager.



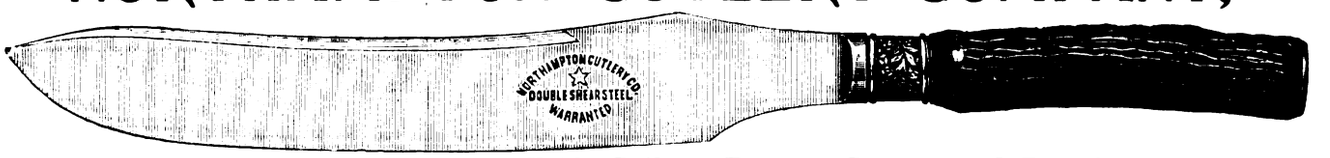
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METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

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Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl Ivory, and Solid Steel Knives and Forks.

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Established 1836.

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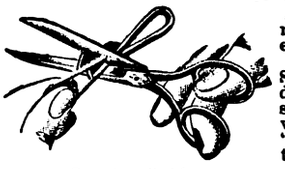
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ARE YOUR SCISSORS DULL?

THE "HANDY" SCISSORS SHARPENER

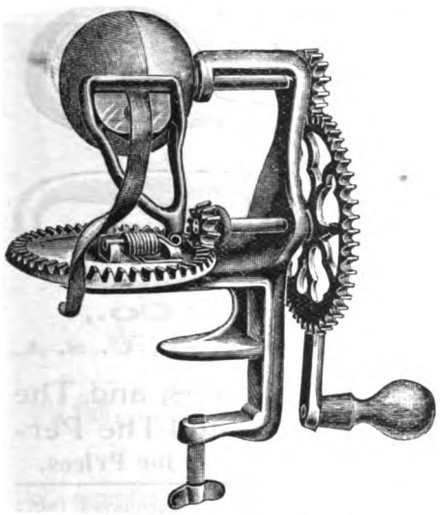


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A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

EASTMAN & CO, 64 Reade St, New York,

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Apple Parers.

We have had 25 years experience in making Apple Parers and think we know how.

We make a larger variety and more than any other firm in the world. We make a specialty of Apple Parers for Evaporators, Bakers, etc., to pare, pare and core, or pare, core and slice, both hand and power.

Catalogue sent to any Dealer if wanted.

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W. & S. BUTCHER, Sheffield, England, and 185 Duane St., New York. Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

High Grade American Cutlery.

EVERY BLADE
HAND-FORGED
FROM BAR STEEL
AND FULLY WARRANTED.

Elliott W. Langley, 74 Reade St., New York.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

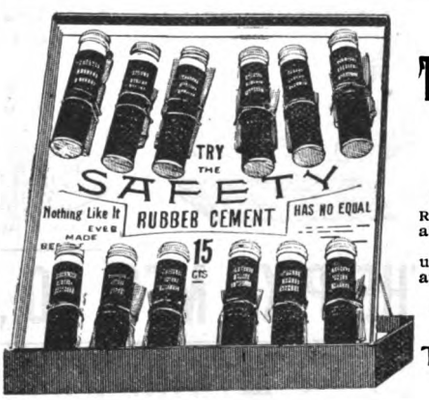
Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

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"A WINNER."

The Safety Rubber Cement Outfit.

EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.

The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of **15 cents.**

Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

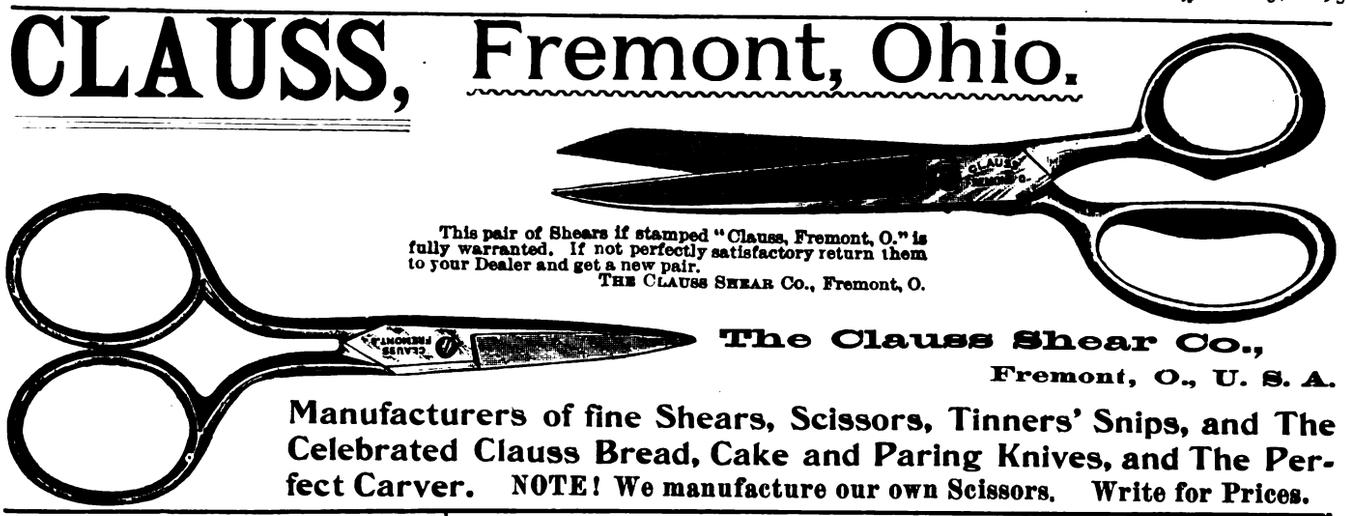
Two o the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted. If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.

Marten Doscher,

DEPOT,

88 Chambers St., New York.

EDGE TOOLS,

G. W. Bradley's,
Horton's,
L. H. Watt's.

BENCH PLANES, &c.

Turned Work Handles, Mallets, &c.



The Best to Buy,
The Best to Sell,
And the Best to Use,
—:is:—

The Crystal Valve Oil Can.

The Handsomest, Best and most reliable on the market.
WRITE FOR CIRCULARS AND PRICES.
STAR MANUFACTURING CO., CANTON, OHIO

ESTABLISHED, 18.. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

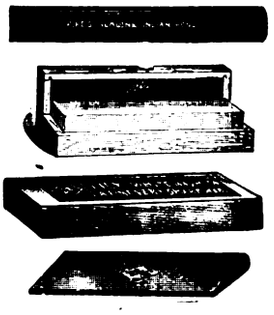
CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

WITH THIS NEW

Garden Cultivator



A Boy twelve years old will do more work than three men with common hoes.

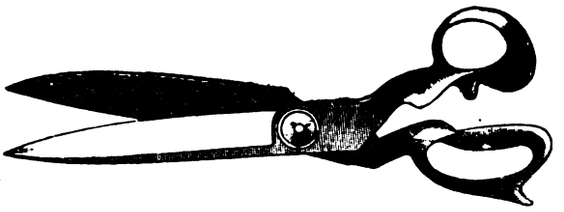
15,000 SOLD LAST YEAR.

ULRICH MFG, CO., ROCK FALLS, ILL.

THE WISS SHEARS AND SCISSORS

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

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Our Latest is the Ormonde



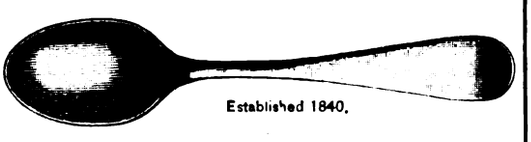
And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

—FACTORIES:—

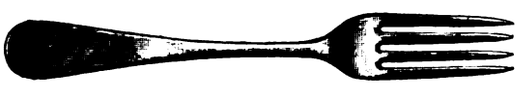
HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
in Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

NEW ENGLAND SPECIALTY CO., - **NORTH EASTON, MASS.**
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and Nickel-Plating.

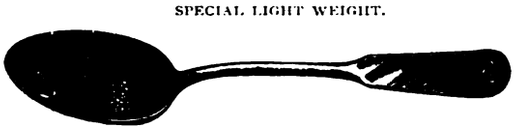


No. 21. NICKEL SILVER SPOONS AND FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



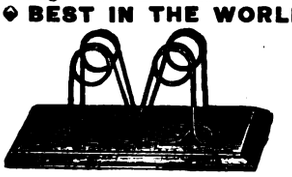
SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "H E Nickel Silver, No. 21."

MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO.

TO KEEP A BROOM
Use the **COMMON SENSE BROOM HOLDER.** It keeps a broom dry, keeps it in shape, keeps it from rotting. **Holds a Broom either end up.**
BEST IN THE WORLD.



"WIRE HANGERS."

12 STYLES FOR
Ladies and Gents Garments.

WRITE FOR PRICES TO THE
BARBER-KOENIG MFG. CO.,
No. 115 North Vine St., Hazleton, Pa.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

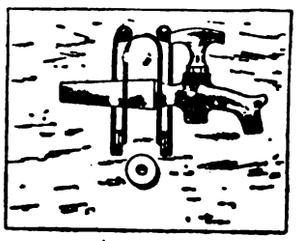
The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
312 Dorchester Ave.,
SO. BOSTON, MASS.

Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them. Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON,
Monroe City, Mo.



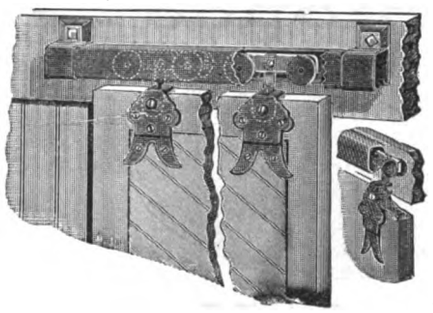
House... ...Goods Supplies.

ESTABLISHED 1867

Partrick & Carter Co.
Electrical Supplies
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,

146 Franklin St., Boston, Mass.

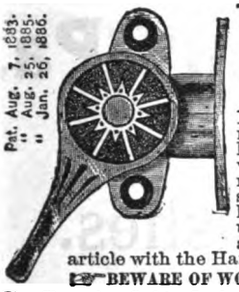
WOOD MANTELS.



PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

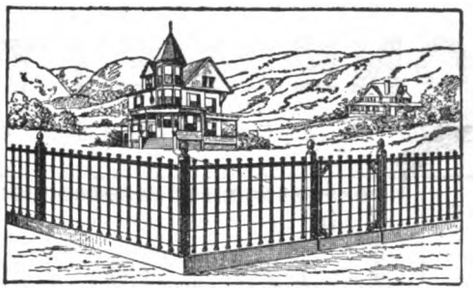
The Champion Safety Lock Co., Cleveland, O.





KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market. ∴ ∴ ∴

Send for Illustrated Circular and price list.

Our '78 Apple Parer

is the most popular machine in the market. Get your orders in early.

Reading Hardware Company.

New York,	Philadelphia,	Chicago,
96 & 98 Reade St.	514 Commerce St.	73 Wabash Ave.

Factories, - . - READING, PA.



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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

Howard Iron Works,

BUFFALO N. Y.

Manufacturers of

Bench Vises.

Price Lists sent on application.

WHY NOT

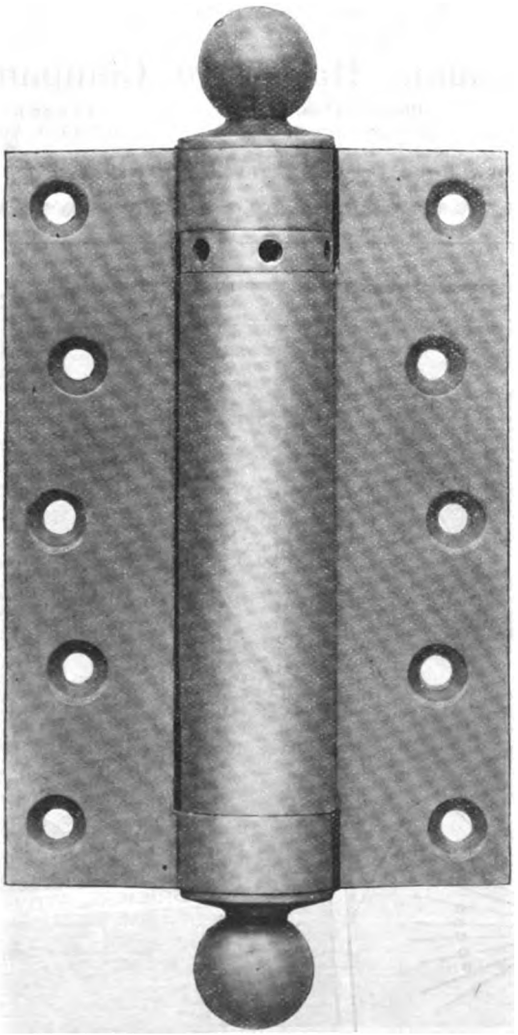
Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS.

THE HANSON & VAN WINKLE CO.,

CHICAGO NEWARK, N. J. NEW YORK



NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 82 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
C. P. GOSS, Treasurer and Manager.

Scovill

Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN

Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*

Among the latest rivals of Birmingham and district Hardware producers in certain classes of goods, is Sweden. Steel hinges, machine made, and of excellent design and finish, are coming into this country at 30 to 40 per cent. below the list of Birmingham and South Staffordshire producers.—*Hardware Trade Journal, England.*

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Just What Every Manufacturer Wants!

The Reference Book

OF THE

Hardware and Kindred Trades of the United States and Canada.

THE Book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

Hardware Dealers.
Dealers in Sporting Goods, Bicycles, Firearms, &c.
Agricultural Implement Dealers.
Stove Dealers.

Sent (Postpaid) on Receipt of

TWO DOLLARS.

CERTAIN marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, Stove dealers in another, etc. In most cases, in the Hardware list, are specified the special kind of Hardware handled, as Shelf Hardware, Cutlery, etc.

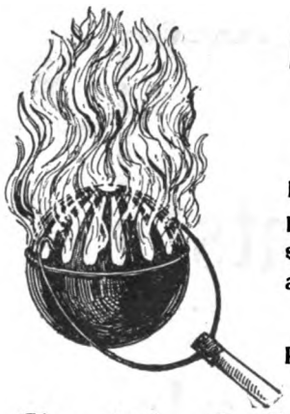
SEND ORDERS TO

HARDWARE PUBLISHING CO.,

143 CHAMBERS STREET,

NEW YORK.

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ASBESTOS TORCH

For destroying Caterpillars and other insects Very useful as a Fish ng Torch.
Order sample lot.

Price, $4.00 per doz.
50 cents each.

HERO CHURNS.

The Best and Lowest priced Barrel Churn in the market. Can be sold at prices other mak s cost.



Smith & Whittier, Selling Agents,

116 & 118 North St., Boston.

Wood Fibre and Tin Ware.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Sterectype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,
Gouverneur, N. Y.
U. S. A.

TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under like rock salt.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.

FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.



WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address

FOREHAND ARMS CO.,
WORCESTER, MASS.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, PARKER BROS., MAKERS, Meriden, Conn.

WINNER OF GRAND AMERICAN HANDICAP OF 1895.

Seed's
New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at : :

75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : :

J. H. SEED, Manufacturer,
21 & 23 Centre Street, New York.

REMINGTON
HAMMERLESS GUNS.
Automatic and non-Aut. Ejecting.

THE FINEST AMERICAN GUNS EVER OFFERED.



10 Qualities, from $45.00 Upwards.

GUARANTEED FOR NITRO POWDERS.

Handsomely Illustrated Catalogue for 1895 sent to any address Free of charge.

REMINGTON ARMS CO., - ILION, N. Y.

Makers of the Celebrated Remington Bicycle, office, 313-315 Broadway, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

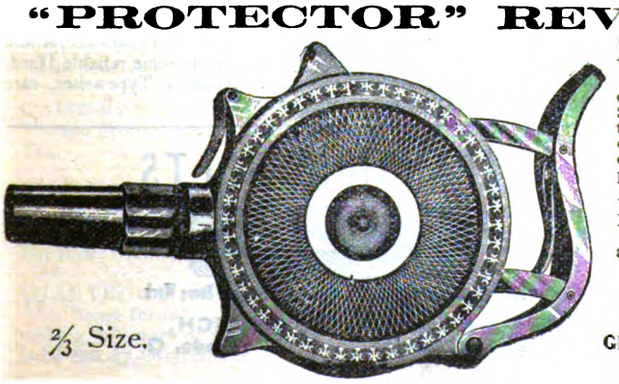
Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

F. H. WEEKS - AKRON, OHIO.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.
GEO. J. WELLS, Agent,
88 Chambers St., New York.

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The Yale & Towne Mfg. Co.,

Manufacturers of BUILDERS' HARDWARE.

GENERAL OFFICES: 280 Broadway, New York.

WAREROOMS:

NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.

Works: { Stamford, Conn. / Branford, Conn.

BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Building.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

AN importer of pocket knives, scissors and razors desires one or two first-class salesmen, who are thoroughly familiar with these lines and know the trade; highest salary paid. Address, stating full particulars, Good Chance, care HARDWARE, No. 143 Chambers Street, New York.

A1 SALESMAN wanted to visit the Jobbing trade of New York and Pennsylvania. Liberal commission. Address L. L. W., care HARDWARE, No. 143 Chambers Street, New York.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 Lafayette Avenue, Brooklyn, N. Y.

YOUNG business man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 23, desires position in retail or jobbing house. Five years' experience. Well acquainted with builders' Hardware, machinists' tools and cutlery. Can furnish best of references as to ability, etc. Address E. T. Barton, General Delivery, Hartford, Conn.

A SITUATION wanted by a young man twenty-eight years old, with ten years' experience as salesman. Good city reference can be given. G. A. K., care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

AN energetic young man who has filled every position in the jobbing, Implement and Hardware business from stenographer to manager desires to connect himself with some Eastern manufacturer either at factory or as representative at some point in this country. Address W. J. S., care HARDWARE, No 143 Chambers Street, New York.

A POSITION wanted either in the house or on the road, by a young man of ten years' experience in general Hardware and several years as traveling salesman in Pennsylvania, Maryland and West Virginia. Address C. W. Shires, Bedford, Pa.

YOUNG man, 25, desires position as assistant bookkeeper and general man in a Hardware concern. Can furnish A1 references as to ability, etc. Five years' experience in Hardware line. Address J. H., No. 412 Eighth Avenue, New York City.

A POSITION by a young man. Six years' experience in large builders' Hardware manufacturing concern. Well acquainted with builders' Hardware and estimate work. Discount, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as salesman, traveling or in store, of wholesale or retail general Hardware or cutlery house. Have had ten years' experience as buyer and head salesman in above lines, and will furnish the highest references. X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as traveler for Hardware or Hardware specialties by a man of some ability and eight years' experience. References my present employers. T. A. Stroud, Pine Bluff, Ark.

SITUATION wanted to auctioneer job lots or Hardware specialties through the West, by a man who has had twenty years' experience in that line, and can furnish A1 references. Would be pleased to correspond with job lot dealers. Address P. H. Starr, Norwalk, Ohio.

AN experienced Hardware salesman, ten years on the road, desires a position with a first-class cutlery or Hardware house. Best of references as to character and ability. Address H. W., care HARDWARE, No. 143 Chambers Street, New York.

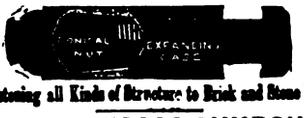
SITUATION wanted by a man with twenty years' experience in the Hardware business. Thoroughly posted in builders' Hardware and house-furnishing goods. Will accept position in house or on the road. Address Brooklyn, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Experienced Hardware salesman, seven years introducing to architects and large trade extensive territory. Ability, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Position desired as such to represent first class firm, California preferred. Smart, well educated, used to traveling in States, Canada, England and Germany. Fifteen years' references. Age, 31. Address F. N. Co , No 1710 Amsterdam Avenue, New York.

A COMPETENT young lady, who has had business experience, would like position of stenographer and typewriter in some reliable Hardware house First-class references given. Address Typewriter, care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr, ISAAC CHURCH,
Send for Catalogue. Toledo, O

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"SOLID STEEL"
ROYAL ENAMELED COOKING UTENSILS.

WE ARE THE MANUFACTURERS.

The Cleveland Stamping & Tool Co., - Cleveland, Ohio.

Write for Catalogue and Prices.

Situations Wanted.

BICYCLE DEPARTMENT.—A1 man of many years' experience, thoroughly well posted in regard to every detail of the bicycle business; first-class salesman, good advertiser and persistent hard worker would like charge of this department or is open to offers. C. C. L., care HARDWARE, No 143 Chambers Street, New York.

A FIRST-CLASS cutlery salesman is open to engagement to travel. Is now under contract which is about to expire. References given and required. Address "Cutlery Salesman," care HARDWARE, No. 143 Chambers Street, New York.

A LIVE, energetic young man recently employed by leading cut'ery importer, desires to represent a German manufacturer to take importation orders for pocket-knives, razors or scissors. An experienced traveler and possessing the highest references. Address Norroton, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—By a young man with twelve years' experience in the Hardware business, a position either in the house or on the road. Unquestionable references. Address M. G., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

THE subscriber desires to recommend a first-class traveling salesman, at present covering the State of Colorado with samples of crockery, to manufacturers of Hardware or other similar lines desirous of being efficiently represented in that territory. Address Henry W. Darling, Treasurer General Electric Co , Schenectady, N. Y.

WANTED side line of leading manufacturer by builders' Hardware salesman for New York, Brooklyn. Philadelphia, Boston, and large towns in New York State and New England, also Baltimore, Washington and New Jersey. First-class references. Address Chipman, care HARDWARE, No. 143 Chambers Street, New York.

AN active agent with large personal acquaintance with jobbing and retail toy trade wishes a line of small iron toys on commission for Baltimore and Washington, D. C. Best of references. Address C. F. M., corner Bond and Gay Streets, Baltimore, Md.

WANTED a line of "corrugated conductors," etc., or Hardware specialties for Milwaukee and Wisconsin trade. "S.," No. 334 Twenty-first Avenue, Milwaukee, Wis.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches. Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

WANTED—Active, energetic traveling Hardware salesman to carry an article as a side line which will interest every dealer. Large commissions paid. Address Richmond Safety Gate Co., Richmond, Ind.

Agencies for Hardware Specialties Wanted.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No. 143 Chambers Street, New York.

CALIFORNIA.—A responsible, experienced party about locating at Los Angelos, California, desires several agencies for first-class manufacturers and Hardware specialties. Address E. S. C., HARDWARE, No. 143 Chambers Street, New York.

AN active, pushing salesman, having large acquaintance among Hardware, department stores, etc., in New York, Philadelphia and the South, desires to add a good line on commission. Manufacturer's agency preferred. Highest references. Address "Specialties," care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED an experienced partner with $3000 to take half interest in an established Hardware business in a growing town. Address H. H. H., P.O. Box 2383, New York City.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Addrees H. E. Colwell, agent; or E. Lambden, Jr., owner.

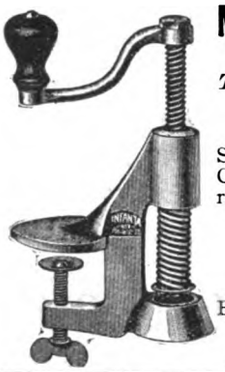
Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street, New York.

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MERIDEN MALLEABLE IRON CO.,

SOLE MANUFACTURERS OF

THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

THE RAPID CORK PULLER

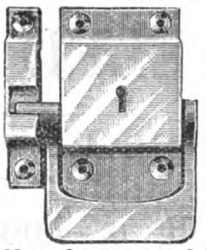
—AND—

RAPID LEMON SQUEEZER.

Best in the market. Send for circulars and prices.

MERIDEN, CONN., U. S. A.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY

P. J. CONROY,

PHILADELPHIA PA.

Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI...

WASHERS.

BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

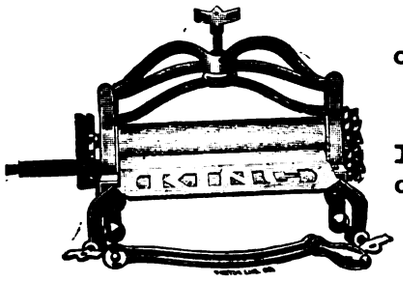
—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.



We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.

Wm. H. Belcher,

62 Reade St., New York.

Manufacturer and Importer,

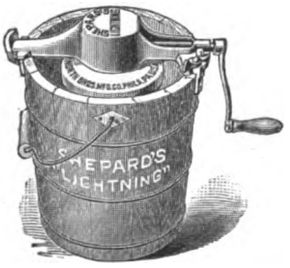
RULES, YARD STICKS, TAILORS' SQUARES, GAUGERS IMPLEMENTS, SHRINKAGE RULES, SHOE SIZESTICKS, GLASS CUTTERS' RULES, STRAIGHT EDGES, &c.

The BEST FREEZERS Made

HAVE
Electric-Welded Wire Hoop Pails,
MADE OF
Best Virginia White Cedar,
AND
Drawn Steel Bottom Cans.

SOLD BY LEADING JOBBERS.







HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

STRONGER. LAST LONGER. HANDSOMER.
EQUALLED BY NONE

IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

Manufactured Exclusively by

North Bros. Mfg. Co., Philadelphia, Pa.

COLUMBIA WASHING MACHINE

Made of Best Virginia White Cedar. All Trimmings, Casting, etc., Galvanized.

An Easy Seller. Prices and Catalogue gladly sent on application.

RICHMOND CEDAR WORKS,

MANUFACTURERS OF

WOODENWARE,

Mention HARDWARE. Richmond, Va.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....37 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers $1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%
SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1 35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$1.75
Dust Shot, 5-lb bags, ₩ bag ....$ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 to 5 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Meal'd Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1 50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9½c
Trenton.....9@9½c
American "Horse-Shoe"..9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%
HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18...40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive.....25&10&10%
Sargent's Expansive.....20&10&10%
GIMLET BITS—
Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's. 45&10@45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....2'@25&10%
Snell's.....25&25&10%

Awls—
Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ dos., $1.50..25&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5 $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island .....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway .....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$12.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%
HATCHETS—
American Axe & Tool Co.40 to 10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb:
Broad.....40&10@50%
Shingling.....40&10@50%
Lathing.....40&10@50%
Warehouse.....40&10@50%
Collins.....10%

Balances—
Straight Spring balances.40&10@50%
Common 24 lb.....₩ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Bal...40@40&10%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—
HAND—
Light Brass.....70& 10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Anctioneers.....35%
Francis Kell & Son Trip Gongs...50%
DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....33⅓&10%
Gong, Yankee.....40&10%
Gong, Barton's .....40&10@50&10%
Crank, Taylor's.....35&10%
Crank, Brooks'.....2%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.... ....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@20%

Belting, Rubber—
Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War, 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per dos.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 35&10&5%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $2.60 ₩ doz.....35%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7¼x¾x1, ₩ doz. $11.00.....50%
9x¼x1, ₩ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $20.00....60&5@60&10%

Blind Adjusters—
Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $ 20%
Austin & Eddy ₩ gro. sets $5.50
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1.00 ..2'@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75& 10@75& 10&5%
Cast Iron Chain (Sargent's list). 65 & 10@65&10 & 5%
Ives' Patent Door Bolts...(0 & 10 & 5 60&10&10%
Wrought Barrel.....75& 10@80%
Wrought Square.....75 & 10@80%
Norwich Lock Mfg. Co. list 80%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.66⅔%
Wr't Sunk Flush, Sargent's list. 60@ 1%
Wr't Sunk Flush, Stanley's list. 60@63&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &C.—
Com, Jan 80, '95.70 & 10 & 5 @ 70&10&10&
Genuine Eagle, list Oct. '84.. 8 & 5 @ 80&10%
Phila. pattern, list Oct. 7, '84.....80%
R. B. & W., old list.....70&10%
Machine list Jan. 30, '95.....75&10%
Bolt Ends, list Jan. 30, '95. 80@8 & 5%
TIRE—
Common, list Feb. 28, '83.....70&10%
American Screw Co.:
Norway, Pa., list Oct. 16, '84. 75 & 10%
Eagle Phila., list Oct. 16, '84. 8' & 10%
Bay State, list Feb. 28, '83...70&10%
B. R. & W., list Oct. 16, '84.....80%
STOVE AND PLOW—
Stove.....70%
Plow.....10& 0&10@70%
R. B. & W., Plow.....65%
MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bone Mills—
Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 5'@ 10&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—
Humason, Beckley & Co.'s 7'@7'&10%
Sargent & Co.'s $17 and $18.60 & 10 @ 60&10 & 5%
Peck, Stow & W. Co 60&10@60&10&10%

Braces—
Barber's..... 50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.7'@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5&5@60&10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30..... .... 60%
Nos. 117, 118, 119.....0@70&75%

Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@7' %
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $3.10; 10 in. $3.35
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&10&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 28, 37.....70&10&5%
Ball Braces, net. ₩ dos. $1.12@$1.35
Millers Falls.....35%

Brackets—
Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.70@70&10%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....90&20@90&25%

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Bull Rings—
Union Nut Co. 55%
Sargent's 30@50&10%
Seymour Smith & Sons, low list 30%
Humason, Beckley & Co.'s 30@30&10%
Peck, Stow & Wilcox Co.'s 60@60&10%

Butcher's Cleavers—
Bradley's 25@30%
L. & I. J. White 25%
Beatty's 40&5@40&10%
New Haven Edge Tool Co.'s 40%
P. S. & W. 33⅓&5@33⅓&10%
Dunlap's Family 25%
Foster Bros. 30%

Bung Hole Borers—
Enterprise 25%

Butter and Cheese Tryers—
Ordinary 35%

Butt Gauges—
Stanley's 20&10%

Butts—
BRASS—
Wrought Brass 30&10@30&2%
Cast Brass, Tiebout's Fast Joint 60%
Cast Brass, Tiebout Ice House 40%
Cast Brass, Corbin's Fast 33⅓&10%
Cast Brass, Loose Joint 33⅓&10%
Cast Brass, Francis Keil & Son 40%
Norwich Lock Mfg. Co. Bronze 30%
CAST IRON—
Fast Joint, Narrow 60@60&10%
Fast Joint, Broad 60&10@60&10&10%
Loose Joint 75&10@8%
Loose Joint, Japanned 75&10@8%
Loose Joint, Jap. with Acorns 75&10@8%
Parliament Butts 75&10@80%
Mayer's Hinges 70@10@8%
Loose Pin, Acorns 75&10@80%
Loose Pin, Acorns, Jap. 75&10@80%
Loose Pin, Acorns, Japanned, Plated Tips 75&10@80%
WROUGHT STEEL—
List, April 1, 1895.
Narrow, No. 800
Narrow, Loose Joint, No. 802
Loose Joint, No. 806
Reversible, No. 804
Broad, No 808
Table, No. 810
Back Flaps, No. 814
Square Back Flaps, No. 816
Pew Door, No. 818
Chest, No. 820
Reversible, with Steeple or Ball Tips, Nos. 822, 823
Light Reversible, with Ball Tips, No. 824
Extra Light, No. 826
Light Reversible, No. 834
Light Loose Joint, No. 836 } 75%
Wardrobe, Ger. Pat. No. 838½
Light Narrow, No 838
Loose Pin, Light Nar., No. 840
Light Inside Blind, No 842
Light Inside Blind, Beveled Edge, No 843
Light Inside Blind, Loose Pin, No. 844
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Hols., No. 846
Light Inside Shutter, No. 848
Parliament, with Steeple or Ball Tips, Nos. 828, 829
Parliament, No. 831
Light Parliament, No. 833

Can Openers—
Messenger's Comet 30 doz $3.00, 25%
American gross $1.75@$2.70
Dunlap's Iron Handle, No. 3 gr. $12.00 25%
A. S. Henn 50&10%
Dunlap's Wood Handle No. 3 $1.75 25%
No. 5, Iron Handle gr. $6 45@50%
Eureka doz. $2.50 10%
Sardine Scissors doz. $2.75@3.00
Dunlap's Sardine Scissors doz. $5.00 25%
Star doz. $2.75
Sprague, No. 1, $3.00; 2, $2.25; 3, $3.50, 70%
World's Best gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00 50& 10%
Electric Rotary Expansive gr $9.00
Goodell's Acme gr. $8.00; doz. 75c
Universal doz. $3.00 55&5%
Domestic doz. $2.00 45%
Champion doz. $2.00 50%
New Scott Mfg. Co.'s list 30&10%
Leavitt's Common Sense gro $7.00 50%
Kohler's Cyclone doz. 75c
Kohler's Lightning doz. 90c
Moore's 75%

Cards—
Horse and Curry 20@35%
Cotton 20@35%
Wool 20@35%

Carpet Stretchers—
Cast Steel, Polished doz. $2.25
Cast Iron, Steel Points doz. 85c 20%
Bullard's 20%
Dunlap's 25%
Wm. Johnson's Socket 50%

Carpet Sweepers—
Bissell's:
Grand doz. $36.00
Gold Medal doz. $27.00
Prize doz. $27.00
Premier doz. $27.00
Superior doz. $27.00
Cosmopolitan doz. $37.00
Furniture Protector, Japanned doz. $34.00
Furniture Protector, Nickel doz. $27.00
Inter Ocean doz. $37.00
Hall doz. $43.00
Crown Jewel No. 1, $15.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1 doz. $21.00
Domestic, No. 2 doz. $22.00
Excelsior doz. $22.00
Garland doz. $18.00
Grand Rapids, Jap. doz. $24.00
Grand Rapids, Nick. doz. $27.00
Housewife's Delight doz. $15.00
Improved Parlor Queen Japanned doz. $24.00
Improved Parlor Queen Nickeled doz. $27.00
Standard doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 doz. in 5 doz. lots, $2.00 doz. in 10 doz. lots.

Casters—
Bed } 60&10@70%
Plate } 60&10@70%
Shallow Socket } 60&10@70%
Deep Socket 60%
Martin's Patent (Phoenix) 60@60&5%
Tucker's Patent, low list 50@50&5%
Yale Casters, list May, '84 50%
Yale Gem 70%
Giant Truck Casters 30%
Stationary Truck Casters 60%
Socket Truck Casters 60%
Swivel Truck 60&10&10%
Store 55%
Gwinner's Common Sense 50%
Gwinner's Hercules 50%

Catches and Turns—
Cupboard Catches 70&10&10%
Transom Catches 60%
Cupboard Turns 60%
Close Catches 70&10%
Screen Door Latches 70%
Screen Door Catches 50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches 50%

Cattle Leaders—
Coverts Saddlery Works 33⅓%
Humason, Beckley & Co.'s 70&10@70&10&10%
Sargent's 70&10@70&10&10%
Seymour Smith & Sons 30%
Peck, Stow & W. Co. 66⅔%

COW TIES—
American 60&10%
Triumph 33⅓%
Covert's Horse and Cattle:
Jute 33⅓%
Manilla 33⅓%
Sisal 33⅓%

Chain—
Trace, 6½-10-2, pair, $1.08 60&10%
Trace, 6½-10-2, pair 92c 60%
Trace, 7-10-2, pair $1.11 60%
Log, Fifth Stretcher, other fancy Chains 60&10&5@60&10&10&5%
German Coil 60&10%
German Halter Chain 60&10%
Oneida Halter Chain 60@60&5%
Covert's Rein Chains 33⅓%
Covert's Breast Chains 33⅓%
Covert's Hitching Chains 33⅓%
Galvanized Pump Chain 50
Jack Chain, Iron 75@75&5%
Jack Chain, Brass 60%
Plumbers 60%

Cherry Stoners—
Enterprise 25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W. } 80&10&10%
New Haven } 80&10&10%
Witherby } 80&10&10%
Mix } 80&10&10%
O. E. Jennings & Co. 25%
Douglass 75@75&10%
Buck Bros. 30%
Merrill 60&10@60&10&10%
Jennings & Griffin Mfg. Co. 60%
Hinsdale 75&5%
L. & I. J. White 30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers' 40&10%
Butchers' $1.75@$5.00 to 2
Spear & Jackson's $5 to 2
Buck Bros. 30%
C. E. Jennings & Co. 20%
Jennings & Griffin Mfg. Co. Drawing Knives 70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge 40%
Cold 60%
Box 60&10%

Chucks—
Beach Pat. each 2.00 30%
Morse's Adjustable, each $7.00 30@30&5%
Danbury each $6.00 30@30&5%
Syracuse, Bals Pat. 30%
Skinner's Pat. Drill Chucks 20%
Skinner's Ind't Lathe Chucks 30%
Skinner's Pat. Comb. Chuck 40%
Drill 30%
Star 25%
Barber 25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50 25%
Combination 40%
Universal 40%
Independent 40%
Whiton's
Combination 40%
Independent 50%
Cushman's:
Combination 40%
Independent 50%

Clamps—
R. I. Tool Co.'s Wrought Iron 25%
Adjustable, Cincinnati 25&10%
Adjustable, Hammers 15@15&5%
Cabinet Makers, Sargent's 70&10%
Carriage Makers', Sargent's 75@75&5%
Carriage Makers' P. S. & W. Co. 40&10%
Eberhard Mfg. Co. 40&5@40&10%
Warner's 40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's 30%
Jennings & Griffin 40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper) $3.50
Clarke's (Imported) 3.50
Albion L (for left hand) 3.50
Foxhall 3.50
Autocrat (centre fly nut) 3.50
Peerless (horse toilet) 4.00
Newmarket 2.50
Triumph (Ball bearing), horse toilet 4.00
Keystone (Ball bearing), centre fly nut 5.00
American (double cutting plate) 5.00
Lexington 3.50
Advance 2.50
Globe Reversible (Ball bearing) 6.00
Republic 3.75
Double Diamond (reversible plate) 5.00
Dictator 3.50
Empire 3.75
Regent Toilet (for horse) 3.00
La Belle Toilet (for horse) 3.00
} 25%

Clips—
Norway Axle 70@70&5%
Spring Bar Clips 60&10&10@70&5%
Superior Axle Clips 70@70&5%

Coffee Mills—
Box and Side 60@60&10%
Am. Enterprise Mfg. Co. 25%
The Swift, Lane Bros. 30%
Wapdell's New Box Mills, Ideal Brand, New List 60@60&10%
Logan & Strobridge Iron Co. 60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s: Dividers 65%
Brown & Sharpe Micrometer 25&10%
Calipers, Wing 60%
Inside or Outside 65%
Double 65%
Call's Pat. Inside 55%
Stevens's "Ideal" 25%
Stevens's "Leader" 55%
Starrett's Fay's Patent Spring Calipers and Dividers 25%
Wright's Graduating 15%
Brown & Sharpe 30%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers 40%
Wing Calipers 70%
Inside, Outside and Double 70%
Registering 50%

Coopers' Tools—
Bradley's 30%
Barton's 20@20&5%
L. & I. J. White 30&5%
Albertson Mfg. Co. 25%
Beatty's 33⅓%
Sandusky Tool Co. 25&10@30&10%
Shaves, Cincinnati Tool Co. 30%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
Williamson's 33⅓%
Detroit Cork-Screw Co. 33⅓%
Howe Bros. & Hulbert 66%
Samson doz $10.00

Corn Huskers—
Hubbard's Solid Steel gr 6.00 33⅓
Perkins Boss:
Styles A and B doz. $2.40; E, $2.10; O, $3.00; Q, $2.85 gro. $8.00; R, gro. $20.00.
Wrist Supporters doz. 75c
Mittens doz. $1.50
Ashtabula gro. $2.50
Brinkerhoffs gro. $15.00
Buckeye gro. $4.00
Cleveland gro. $7.50
Johnson's gro. $6.50
Universal gro. $15.00

Corn Knives and Cutters—
Bradley's 10%
Wadsworth's 20@25&10%

Counter Sinks—
Adjustable 20%
Shepardson's Diamond 40@45%
Einwachters 60&10%
Wheeler's Patent 40%

Crayons—
Sargent's List 20%
Dixon's
Eclipse gro. $3.75
Emerald gro. 5.00
Oriole gro. 5.00
Rainbow gro. 2.81
Solid gro. 7.50

Curry Combs—
Spring, Jap'd doz $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber doz. $7.50 20%
Perfect 33⅓
F. E. Kohler & Co.'s Magic Oscillating doz. 2.00
F. E. Kohler & Co.'s Humane doz. $1.75
Gibbs' Magnetic per doz. net $1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5 $1.00 $1.13 $1.25
5½ 6 7 inches $1.38 $1.50 $2.00, doz. 40&10%
Nickeled Shank 4 4½ $1.85 $1.43 $1.60
5½ 6 7 inches $1.73 $1.85 $2.35, doz. 40&10%
Buffalo Damper Clips 40&10%
Crown Damper 40%
Excelsior 40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment) 40%
Leather (full assortment) 50&10%
Medford Fancy Goods Co. list 40%
Keystone Mfg. Co.:
Low List 50%
Leather Muzzles 50&10%

Door Checks—
Bardsley's 20%
Sargent's Eclipse 55%
Shaw's 40%
Unity F. G. 50%

Door Openers, Electric—
Electric Door Opener, complete $9 50&10%
Thaxter Electric Lock, list $35.00
SPARK COIL—
Stanley & Patterson $4.00 50%
Stanley & Patterson "Daisy" $1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893 33⅓%

Door Springs—
Torrey's Rod, regular size doz $1.40
Bee Rod gr., $20.00 20%
Warner's 50@50&5%
Gem (Coil), list April 19, 1895 20& 20%
Star (Coil), list April 19, 1895 20&10%
Foster's (Coil) 20%
Champion (Coil) 55&10@55&10&5%
Cowell's No. 1, doz, $18.00; No. 2, $15.00 50@50&10%
Rubber, complete, doz. $5.50. 66⅔@70%

Drawer Pulls—
Sargent's List 60%

Drawing Knives—
Witherby } 80@80&10%
Jennings & Griffin } 80@80&10%
P. S. & W. } 80@80&10%
Mix } 80@80&10%
New Haven } 80@80&10%
Merrill 60&10@90&10&10%
Douglass 75@75&10%
Watrous 15&10@20%
L. & I. J. White 20&5@25%
Bradley's 35%
Adjustable Handle 25@33⅓%
Wilkinson's Folding 25@25&5%
Hinsdale 75&5%

Drills and Drill Stocks—
Blacksmiths' each $2.25
Breast, P. S. & W. 33⅓&10%
Breast, Wilson's 30&5%
Breast, Millers Falls 25%
Breast, Bartholomew's each $2.50 25&10@40%
Ratchet, Merrill's 20@30&5%
Ratchet, Ingersoll's 25%
Ratchet, Packer's 60%
Ratchet, Whitney's 20&10%
Ratchet, Weston's 20@25%
Ratchet, Moore's Triple Act. 25@30%
Ratchet, Billings' Dble. Acting 33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00 30&10%
Wilson's Drill Stocks 10%
Automatic Boring Tools $2.00, 25%
Stearns' Bench 60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover doz $3.00 60%
National doz $4.50 33⅓%
Family (T. & S. Mfg. Co.) gro $17.00 @18.00
Duplex (Standard Co.) doz $1.25
Rival (Standard Co.) doz $1.00
Duplex Extra Heavy (Standard Co.) doz $3.50
Triumph (T. & S. Mfg. Co.) gro $10.50 $11.00
Ayre's Spiral gro $ 5.00
Palne, Diehl & Co.'s Keystone 33⅓%

Emery—

	No. 4 to No. 54 to Flour, CF		
	46 gr.	150 gr.	F FF.
Kegs, 25 lb.	4½c	5c	2½c
½ kegs, 12½ lb.	4½c	5½c	2½c
¼ kegs, 6½ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890 60%
Brass 65%

Enameline—
No. 4, gro $4.50
No. 6, gro $7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890 60%
Brass Thread 65%
Wood 25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key 40%
IXL., 1st quality, Cork Lined 60%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....25%
Fenn's Cork Stops....33⅓%
Starr....60%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00....33⅓%
Lane's ₩ doz. $36.00....35%
Enterprise Molasses Gates....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt ...	$3.00	$3.75	$4.00
Dairy Pails, 14 qt. $3.33.;		4.00	
Fire Pails, No. 2, 14 qt. $4 00	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)..	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x, 14 qt ...	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt...	5 50	6.50	7.50
Commoee Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)..	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3.50	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed)	3.50	4.00	4.50
Spittoons, 10 Ind 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—
DOMESTIC—
Arcade....65%
Montgomery & Co., Special....65%
Nicholson Files, Rasps, &c 60@10 & 10%
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagle....60&10&10@70%
American....60&10&5&70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't&5010%
IMPORTED—
Moss & Gamble, List April 1, 1883. 15%
Butcher....Butcher's list, 20%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—
Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base)....10%

Fluting Machines—
Knox....35%
Geneva Hand Fluter, White Metal, ₩ doz. $12.00....35&2½
Crown Fluters....30%

Fluting Scissors—
List....45%

Fly Fans—
Columbia....10%
Fowlers ₩ doz....$21.00
Keyless M. & I. Co. ₩ doz....$21.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Manure, &c. Phila. list. 60@60&5%

Freezers, Ice Cream—
Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Ohio....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co....25%
Henis....₩ doz $3.50
Shepard's Queen City....40%

Fry Pans—
Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gauges—
Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....25&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....20&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ₩ dos $2.00 net

Gimlets—
Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....25&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ₩ gr $12....25@25&10%
Bell Hangers....50%

Glue—
Dodd's Liquid Glue....25&25&5%

Glue Pots—
Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Graters—
Enterprise....25%

Grindstones—
Family....50%
New York Pattern....20%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—
Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's....₩ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ½ in. Jute.
Rope, ½ in. Hemp.
Web and Rope Halters.
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 40%
Upson & Wooding....40%

Hammers—
HANDLED HAMMERS—
Maydole's....25%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co....
Fayette R. Plumb....
} 40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....75&10%
Stone....70%
Blacksmiths'....60&10%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....20@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ₩ doz.... Nos. 1, $3; 2, $4.... 33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00....45%
Upholsterers Solid Steel, French ₩ doz. $20.00....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%
HEAVY HAMMERS AND SLEDGES—
Under 3 ℔... ₩ ℔ 45c
3 to 5 ℔..... ₩ ℔ 39c
Over 5 ℔..... ₩ ℔ 30c
} 75@75&10%
Wilkinson's Smiths....10½c@11c ₩ ℔

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%

STORE DOOR HANDLES.—
Japanned....60&10%
Bronzed....60&10@66⅔%
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%

DOOR PULL—
Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....50%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 3.00
} 30@40%
Worcester Leather Cap'd Chisel. 25%
File, assorted..... ₩ gr 2.75
Auger, assorted ... ₩ gr 5.00
Auger, large..... ₩ gr 7.00
} 30@40&10%
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'.... ₩ set $1.25
Pat. Auger, Swan's..... ₩ set $1.00
Millers Falls Auger....35%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 60%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—
Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track. 55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.... ....50&2%
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader. 50&10%
Terry's Steel Anti-Friction Ideal. 50&10%
Munger Hanger....20&10%
Davis Hanger....20&10&10%
Stearns' Barn Door....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 & $36.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible....75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ₩ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger. 20&10 @25&10%
Warner's Pat....20&10@20&10&10%
Stearns' Anti-Friction....20&10@20 &10&10%
Stearns' Challenge. 25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $6.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....65%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.5), net.

Hay and Straw Knives—
Lightning, Mfrs' price ₩ doz $18.00, 45%
Gem....₩ doz $10
Wadsworth's....40%
Carter's Needle..₩ doz $11.50@$12.00
Heath's....₩ doz $13.50@$14.00
Auburn Hay, Corn, and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T....50%
Corrugated Strap and T....80%
Hart's Pat. Heavy Strap....80%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 9-10c; 14 to 20 in., ₩ ℔ 4-10c; 22 to 36 in., ₩ ℔ 9-10c
Heavy Welded Hood... { 6 to 12 in., ₩ ℔ 9-10c; 14 to 20 in., ₩ ℔ 4-10c; 22 to 36 in., ₩ ℔ 9-10c
Screw Hook and Eye. { ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $3.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....30%
Acme....30%
J. S....25&10%
Empire and Crown....30%
Stover Ideal ₩ gro....$13.00
New Idea ₩ gro....$13.00
Hero and Monarch....55%
American, Gem and Star....20%
Oxford....20%
Barker's Double Acting...35@35&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@30%
Chicago....30%
Wiles....10%
Devore's....40%
Rex....40%
Royal Japanned....66%
Royal Bronze....45%
Reliable....30%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔%

GATE HINGES—
Western....₩ doz $4.40, 60%
N. E....₩ doz $7.00, 55%
N. E. Reversible, ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....₩ doz $5.00, 55&10%
Automatic....₩ doz $12.50, 50%
Keil's Superior....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's....45&10%
Shepard's....60&10&15%
Sargents....60%
Reed's Latch and Hinges..₩ doz $12.00, 50%
Long's Self Closing....50%

BLIND HINGES—
Barker....75&10%
Palmer....50&10&10%
Seymour....70&5%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 3, 5, 40 and 50....30%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....30%
Buffalo....30%
Clark's Genuine Pattern....30%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c.... ....7%
Planter's Cotton, &c....7%
Warren Hoe....65%
Magic....₩ doz $4.00
Dunlap's:
Boys' hoes....₩ doz $3.00, 30%
Ladies' hoes....₩ doz $3.00, 30%
Scuffle....30%

EYE—
D. & H. Scovil....30%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat. 45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5&2 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ₩ doz $1.35
Hill's Tongs....₩ doz $3.00
Hill's Rings...₩ doz bxs $2.15@$1.00
Perfect Rings..₩ doz bxs $1.60@$1.70
Perfect Ringers...₩ doz $2.15@$2.25
Blair's Hog Ringer ₩ doz $2.25@$2.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers....₩ doz $2.00
Champion Rings, Double, ₩ doz $2.25
Brown's Ringers....₩ doz $2.00
Brown's Rings....₩ doz $1.25@$1.50

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware..33⅓&70%
Rustless Hollow-Ware.....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother.....40&5%
Hartford Silver-Plate Co., William Rogers Mfg. Co.....40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading, Clothes Line, Sargent's list.....60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....per doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&5

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Ores't".....60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net per doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $3; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	...15%
American	9¾	9¾	9¾	9¾	9¾	...net
Ausable	26c	26c	26c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	26c	26c	25c	24c	23c.	40&10&5&c.&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n.	25c	26c	23c	21c	20c.	25@25&5%
A. U.	25c	26c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	26c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	25c	23c	21c.	21c	40&10&5%
Champlain.	28c	25c	28c	24c	23c	40&5&5&2%
Saranac	28c	21c	20c	19c	18c.	40&5%
Champl n.	28c	26c	26c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	15c.	10&5%
Anchor	25c	21c	20c	19c	18c.	25%
Western	25c	21c	20c	19c	18c.	50%
Empire Bronsed						13@14c per lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....50&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....per gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
See Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$5.40	$9.00	$10.80	$12.60
Each.	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen.	$14.40	$18.00	$20.64	$23.40	
Each.	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen.	$27.00	$32.40	$41.58	$49.50	
Each.	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen.	$65.34	$79.20	$108.90	$136.62	
Each.	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen.	$5.40	$9.00	$10.80	$12.60
Each.	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen.		$14.40	$18.00	$20.64
Each.		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11¾
Dozen.		$23.40	$27.00	$32.40
Each.		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....per doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....per doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list. net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woolworth & Co.....50@66⅔%
Ames' Bread Knives. per doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. per doz. $4.50; 14 in. per doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Mouroe's Pat.....per doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net per doz. $12.00
Gibbs' Hustler.....net per doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, per doz. $6.00 40&5@40&10%
Wood No. 2.....per doz. $3.00, 50%
Wood, Common....per doz. $1.70@1.75
Dunlap's Improved per doz. $2.75..30%
Jennings' Star.....per doz. $2.25
The Boss.....per doz. $2.50
Dean's, Nos. 1, per doz. $6.00; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....per doz $15.00, 40%
Berger Bros. per doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....per doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $5.50; No. 2, $7.00; No. 3, $7.50 per gro.....25%
Mason's Linen.....33⅓
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. per doz. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1899.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '85. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 68.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 595..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nook's.....30%
Brown's Pat.....30&10%
Scandinavian.....90&10%
Fram s Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 1 9 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....30%
No. 497.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓&5
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....35&10%
Lignumvitæ.....35&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....per doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's per doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern per doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$3.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge per doz...45@45&25%

Nos.	1	2	3
	$32.00	$35.00	$40.00

Home No. 1..per doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8	
	$50	$75	$80	$225	...20@25%

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, per doz $66.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....per doz $9.00
Giant, No. 1.....per doz $18.00, 10%
Giant, No. 2.....per doz $15.00, 10%
Pelican.....per doz $9.00, 25%
Lightning.....per doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....per gr. $4.00@$4.25
Round.....per gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point per gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, per doz., $3.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.20c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c per lb net; in packages less than 100 lb. add ½c per lb, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. per doz.....$1.85
Prior's Pat. or "Paragon" Zinc.60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....per doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra per gross.....$7.50
Indian Pond Red End, No. 1, per gross.....7.00
Indian Pond Red End, No 2, per gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, per lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx 1¾ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge per lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¾ to ⅝ per lb..... .70
Discount 33⅓%
Pike's Washita Mounted:
8x2, per doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%
Pike's Washita Axe Stones:
About 2x2x½ to 1½, per lb..... .34
" 2x2x½, extra selected.. .40
Discount 33⅓%
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, per lb.....3.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, per lb.....3.50
No. 1, 8 to 12x1¾ to 2¾x¾ to 1¼, per lb.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4⅝x1 to 1¼x1⅛ to ⅝ per lb.....4.00

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No. 2, assorted sizes, ℔ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ℔ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ℔ lb .08
Washita Finish, about 8x2x¾ to 1¼, ℔ lb..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ℔ lb..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ℔ lb..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ℔ gross..... 8.00
Penknife Pieces, about 3⅛x1¼ x¼ to ⅛, ℔ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ℔ lb..... .06
Small Axe, about 3x2x⅛ to 1 ℔ lb..... .10
Special Axe, 3⅛x1⅛x⅛ ℔ lb... .18
Pike's Sandstones:
Small, 8x1½x1¼, weight about 1 lb, ℔ lb..... .05
Medium, 8 to 8½x2x1⅛, weight about 1½ lb, ℔ lb..... .05
Large, 8½ to 9x2⅝x2, weight about 2 lb, ℔ lb..... .05
Small table, 9 to 9½x2⅝x2, weight about 4 lb, ℔ lb..... .05
Large Table, 10x4x2 " ..... .05
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ℔ lb .80
No. 2, " ℔ lb..... .40
Round Edge Slips, No 1, ℔ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per lb 70c..... 40%
Boston "Phoenix" Red Sheet, per lb..... 50c. net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N. Y. B. & P. Co., 1846-Para.... 40&10%
N. Y. B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....℔ lb 50c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ℔ lb
Russian Packing.....14c ℔ lb
Italian Packing.....13c@14c ℔ lb
Cotton Packing.....15c@17c ℔ lb
Jute.....7c@8c ℔ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....℔ doz $4.75
Baldwin.....℔ doz 5.25
Bonanza.....℔ doz 5.00
Daisy.....℔ doz 4.00
Dandy.....℔ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....℔ doz 12.00
Favorite.....℔ doz 5.00
Ideal.....℔ poz 4.00
Improved Bay State.℔ ds..$37@80.00
Little Star.....℔ doz 4.50
Monarch.....℔ doz 13.50
New Lightning.....℔ doz 5.50
Penn.....℔ doz 4.00
Perfection.....℔ doz 4.00
Pomona.....℔ doz 4.00
Rocking Table.....℔ doz 6.00
Turntable.....℔ doz 4.50
Waverly.....℔ doz 4.00
White Mountain.....℔ doz 4.00
72.....℔ doz 4.25
78.....℔ doz 7.00
Oriole, ℔ doz $5.00.....20&10%
Victor, ℔ doz $15.00.....20%
Gold Medal ℔ doz $3.50 net.
Scott's Pat. Rotary, ℔ doz $15.00, 20%
POTATO—
White Mountain.....℔ doz $4.50
Antrim Combination....℔ doz 5.50
Hoosier.....℔ doz 13.50
Saratoga.....℔ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....℔ gro $5.25
Dixon's Lead.....℔ gro 4.50
Dixon's Mascot, Round...℔ gro.$3.10
Dixon's Mascot, Hexagon.℔ gro. 3.38
Dixon's Lumber.....℔ gro 6.37
Dixon's Carpenters' ℔ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....℔ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....20%
Miscellaneous.....25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ℔ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
S. & I. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....3⅓
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ℔ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ℔ doz. $3.00; 6½ in. ℔ doz. $3.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....75%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ℔ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ℔ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....℔ gro $6.00, 10%
Gem.....℔ gro $4.50, 10%
Lustro.....℔ gro $4.75
Rising Sun, 5 gro lots.....℔ gro $5.50
Dixon's Plumbago..℔100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ℔ gr $10.00@$10.50
Round or Sq., 1½ qt. ℔ gr $15@$15.50
Round or Sq., 2 qt. ℔ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....℔ doz $18.00, 25%
Disston's Pruning Hook.....℔ doz $12.20, 25&5%
Seymour Smith & Son's.....℔ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale, 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ℔ doz.....$3.75@4.00 net
Henry's Pruning Shears ℔ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination.....℔ doz $12.00, 20%
Dunlap's Saw and Chisel....℔ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co.....60%
Levin Pruner, No. 1, $9.00 ℔ doz. 25%
Levin Pruner, No. 2, $12.00 ℔ doz. 25%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash. Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.72.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ℔ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.00
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 2 5, Fig. 406, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 260 Fig. 4 4, Imperial Cyclone Pump.....$18 00
No. 265, Fig. 5:2, Cyclone Tank Force Pump.....$ 7 00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig 513, Low Down Tank Force Pump.....$16.00
No. 312, Fig. 477, Spray Pump complete.....$11.50
No. 320. Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig 547, Knapsack Spray Pump.....$10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ℔ doz..,60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5s
Spring, good quality, ℔ doz $2.50@3.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring and Check.....50%
Solid Tinners', P. S. & W. Co. ℔ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ℔ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ℔ ft. 7c
Sliding Door, Iron, Painted, ℔ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾ Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ℔ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ℔ foot.....4½c
Victor Track Rail, 7c ℔ foot....50&2%
Carrier Steel Rail, ℔ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ℔ doz. $4.90
Gibbs' Canton Lawn Rake net ℔ doz $3.75
Gibbs' Favorite.....net ℔ doz $3.90
Gibbs' Acme.....net ℔ doz. $4.75
Gibbs' Crown, No. 1. net ℔ doz. $4.90
Gibbs' Crown, No. 2. net ℔ doz. $5.80
Gibbs' Hustler, No. 0 net ℔ doz. $4.25
Gibbs' Hustler, No. 1. net ℔ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes.....℔ doz $3.50
Ladies' rakes, ℔ doz, No. 1, $3.00; No. 2, $3.50. } 25%
Duval's Wood, ℔ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth, " $2.40; No. 2 $3.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ℔ doz. $2.95
Boss, No. 18.....net ℔ doz. $3.10

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's AAA1, list Nov. 1, 1889 .50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis Keil & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....50@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ¾c. ℔ lb less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....℔ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ℔ lb 7¾c
Manilla, ⅜..... ℔ lb 8¼c
Manilla, ¼ and 5-16..... ℔ lb 8¾c
Sisal, 7-16 and larger.... ℔ lb 5¾c
Sisal, ⅜..... ℔ lb 6¼c
Sisal, ¼ and 5-16..... ℔ lb 6¾c
Sisal Lath Yarn, medium ℔ lb 5¼c
Cotton Rope..... ℔ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Manila, 7-16in. & larg'r ℔ lb 7 c
Manila..... ⅜in ℔ lb 7½c
Manila, ¼ and 5-16 in ℔ lb 8 c
Manila Hay Rope... ℔ lb 8 c
Sisal, 7-16 in. & larger ℔ lb 5 c
Sisal..... ⅜ in ℔ lb 6 c
Sisal...¼ and 5-16 in ℔ lb 6¼c
Sisal, Hay Rope..... ℔ lb 5½c
Sisal, Med. L'the Y'rn ℔ lb 5 c
Cotton Rope..... ℔ lb 11@13c net
Jute Rope..... ℔ lb 5@6c net
1½% for cash in 10 days.

Rules—
Boxwood.....80%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10 at factory....℔ 100 lb $2.50@$3.75
Self-heating.....℔ doz $8.00 net.
Self-heating, Tailors' ℔ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8¼c, 15%
New England.....8c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....30%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ℔ set.....$ .75 net.
No 55, ℔ set..... .70 net.
No. 60, ℔ set..... .80 net.
No. 65, ℔ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net.....$8.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ℔ lb.... .08

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—
Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&1.%
Morton's:
Champion Metal.....25%
Steel Cable.....35%

Sash Cord—
Common.....℔ lb 10@ c
Jute, good quality.....℔ lb 1.c
White Cotton Braided, fair. ℔ lb 25c
Common Russia Sash.....℔ lb 16c
Patent Russia Sash.....℔ lb 15c
Cable Laid Italian Sash ℔ lb 22½c@25c
India Cable Laid Sash.....℔ lb 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....35%
B Quality, White.....40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26¼c @ 28c
Sylvan Spring
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00..10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White...27c
Samson:
"Mass." White, Cotton....27c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....56c

Sash Fasteners, Holders, &c.—
Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances..25&5&2½
Hugunin's New Sash Locks. 25&5&2½
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security....70%

Sash Weights—
Solid Eyes....℔ ton $23.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40&10%

Saws—
Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....20%
Gang, Drag & Mill....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated....30c. ℔ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....4 %
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%

HACK SAWS—
Griffin's complete....45%
Griffin's Hack Saw and Blades...45%
Chatillon....30%
Butchers....25%
Star Butcher....25%

Saw Frames—
Star Hack....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $2.00 40%
C. E. Jennings & Co....20%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%

Saw Sets—
Stillman's Lever, Nos. 40, 45....55%
Common Lever ℔ doz., $3.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00....40&20%
Perfect Saw Jointer....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Automatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets, ℔ doz. $6.00
Hart's Pat. Lever....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....℔ doz. $12.00
Lloyd Acme....℔ doz., $15.00, 40&10%
Leopold....℔ doz., $15.00, 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.30@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%

Scale Beams—
Scale Beams, List Jan. 12, '92..50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....℔ doz., $4.00, 10%
Box, 2 Handle....℔ doz., $6.00, 10%
Defiance Box & Ship....20&10%
Foot....50&10@60%
Ship Common....℔ doz., $3.50 net
Ship, R. I. Tool Co....10%

Screens—
Phillips:
Bonanza Screens....60%
Perfection Screens....6 %
Extension....50&10&5%
Flyer....50&10%
Window Screen Frames....60&5%

Screen Doors—
Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30 & 35%
Standard Oil....35 & 40%

Screw Drivers—
C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....50&5%
Disston's Pat. Excelsior....50&5%
Buck Bros....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ℔ doz 33⅓&2%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits...℔ doz., 70@85c
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 2, $12. 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ℔ doz....90c } 50%
Beauty, ℔ doz....$1.00 }
Wm. Johnson's:
133 A....70 & 10%
135½ Extra....70%
133 Ebonized Handle....70%
141½....75%
142 Ebonized Handle....70%

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron....65%
Round Head Iron....75%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....85%
Round Head Brass....75%
Flat Head Bronze....80%
Round Head Bronze....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws....87½%

MACHINE—
Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%

BENCH, HAND, ETC.—
Bench, Iron....70%
Bench, Wood, Beech. ℔ doz $3.00@3.25
Hand, Wood....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....80&5%
Bed....20&5%
Hand Rail, Sarrent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....5 &10%
Jack Screws, Millers Falls, without Roller Bearing....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%

Scroll Saws—
C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw Blades....35%

Scythes—
Grain....40&5@40&10%
Grass....40&10%

Seeders—
Enterprise Raisin....25%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned....80&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'....30&5%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 30&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60% Japanned....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75% Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 15, 1885....55&20%
Corbin's list....60&10&2½
Patent Roller....60&10&2½
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 15, 1885....60&2½
Moore's Anti-Friction....50%
Hatfield Sheaves....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s....60&10&
Sargent's list....60&10%
Reading list....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bose, at factory....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ ℔ 7½c
Perkins Improved Snow....℔ ℔ 4c
MULE—
Add $1 ℔ keg to above prices.
OX, WROUGHT—
Ton lots....℔ ℔ 9c
1000 ℔ lots....℔ ℔ 9½c
500 ℔ lots....℔ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c....20%
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods. 20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....20@20&7½%
Hussey, Binns & Co....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&30%
Snow, D Handle, ℔ doz., $7.25 25&30%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan., 1886....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%

Shovels and Tongs—
Iron Head....65@65&5%
Brass Head....65@65&5%

Sifters, Flour—
Hunters....℔ doz. $2.00

Slaw Cutters—
Enterprise....25%

Slicers—
Enterprise Vegetable....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps

Spoke Shaves—
Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....20%
Millers Falls....25%
Wm. Johnson's:
Wood, Best....3 %
Wood, 2nd Quality....3½%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp, Co's list. 70&10%
Solid Table and Tea, Cen. Stamp, Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co..40 &15&10&10
L. Boardman & Son....50&12½%
MISCELLANEOUS—
German Silver....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron, Nickel-Plated....80%
Try Square and T Bevels 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....30@35%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....80&25&10%
Extra Heavy....80%
Hooks and Staples....80&25&10%
Extra Heavy....80%
Hasps and Staples....80&25&10%
Extra Heavy....50%
Staples on Plates....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—hooks....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....20@25%
Reece's New Screw Plates....25%
Reversible Ratchet....30%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓%&2% cash.
Carpet Tacks:
American....66⅔%
Steel....66⅔%
Swedes, S. S....66⅔%
Swedes, Lanc....62½%
Leathered....3 ½%
American Cut Tacks....6 ½%
Swedes Iron Tacks:
S. S....62½%
Lanc....57½
Upholsterers' Tacks:
S. S....66⅔%
Lanc....62½%
Gimp Tacks:
S. S....66⅔%
Lanc....6 ½%
Lace Tacks:
S S....6 ½%
Lanc....57½%
Trimmers' Tacks:
S. S....5 %
Lanc....50%
Looking Glass Tacks....33⅓%
Picture Frame Points....33⅓%
Basket Tacks....62½%
Berry Box Tacks....62½%

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Trunk Tacks:
S. S 66⅔%
Lanc. 62½%
Miners' Tacks, S. S. 66⅔%
Bill Posters' and Railroad Tacks:
S. S 66⅔%
Lanc. 62½%
Brush Tacks and Nails:
S. S 55%
Lanc. ..... 5 %
Hungarian Nails. 57½%
Common and Patent Brads 50%
Finishing Nails. 57½%
Trunk and Clout Nails 57½%
Basket Nails 50%
Chair Nails. 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 3⅓&2% cash.
F. H. Cobblers' Nails:
4-4-8in., and shorter, ₱ 10) ℔ $20.60
⅝ in. and longer, ₱ 100 ℔ ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No 18 & 19.	17 & heavier.
2 8-2¼-8 in.	$60 00	$11.20
3-2-8-3½-8 in.	51.50	33.15
4-8-8 longer,	41 20	33.45

MISCELLANEOUS—
Double Point.. ...85&10@85&10&10%
Wire Carpet Nails.60&10@60&10&10%
Bill Nye Brad Box $4.00
Bonnie Blue. ..... ₱ box $1.40
Claw Handle Carpet.. ...₱ gr $1.00
Home Tacks. No. 50, ₱ case (12 cartons), $36.00; No. 100, ₱ case (12 cartons), $72.00. 10 & 2%.
Home Nails, No. 200, ₱ case (12 cartons), $30.00; No. 400, ₱ case (12 cartons), $60.00. 5 & 2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks.66⅔&2⅓&2%
Miniature Keg Tacks..66⅔&33⅓&2%
Upholsterers' Nails ..... 5 & 10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " ...1.50

Tape—
American Screw Co.
Machine Screw 60%
Hand and Machine. ..... 50&10%
Pipe 80%
Blacksmiths' Taper. ..... 50&10%

Tin, Perforated—
Harrington & King Perforating Co: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 5
2	$8 90	$1 55
3	$8.35	$1 35
4	$ .80	$1 30
5	$7.25	$1.20
5½	$ .25	$1.10
6	$6.95	$1 15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) .20&2%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss". 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897..70&10@70&10&10%

Trammel Points—
Cook's. 25%
Stanley's. ..... 30&10%
Tower & Lyon. 33⅓%
Jennings "Eureka" 25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T...3.50
Sing'e rail Car, Single Steel T.3 50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track. $6.00
Double Rail Steel Track complete with clamps, ₱ ft..... .09
Single Rail Steel Track with clamps, ₱ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each. $1 50
Walker Fork, each. $1 15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₱ doz. $2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₱ doz $2.00
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Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₱ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 455, ₱ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₱ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz $2.00
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Hanging Hooks for Single Steel Track, ₱ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₱ doz..... .45
Harging Hooks for Wood Track, 14 in , ₱ doz..... .55
Wrought Rafter Brackets, ₱ doz. ..... .45
Malleable Rafter Brackets, ₱ doz. ..... .45
Rope Hitch, ₱ doz. $1.75

Transom Lifters—
Copper Finished. 50%
Bronze Metal. 40%
Nickel Plated. 50%
Crescent. 55%
Lever. 55%
Ajax. 50%
Dicksons. 60%

Traps—
GAME—
Enterprise Mole. 15%
Oneida:
Newhouse. ..... 40&10%
Hawley & Norton. ..... 70&5%
Victor. ..... 70&10&5%
All Steel. 75%
Star. ..... 50&10%
Blake's Patent. ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₱ doz hole 80@10%
S.T. ..... ₱ doz $6.00, 20%
Mouse, Round Wire. ₱ doz $1.50, 2%
Mouse, Cage, Wire. ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $3.50.15%
Mouse, Bonanza. ..... ₱ gr $10.00
Mouse, Ideal. ..... ₱ gr $9.00
Mouse, Delusion. 33⅓%
Rat Slayer. ..... ₱ gr $9.50
Rat, Keystone. ..... ₱ gr $10.00
Rat, Exterminator. ..... ₱ gr $12.00
Rat, Decoy. ..... ₱ gr $10.00, 15%
Hotchkiss:
Metallic Mouse. 50%
Improved Rat. 40%
New Rat. 40%
Schuyler:
Mouse, ₱ gross $18.00. ..... 50%
Rat, ₱ gross $30.00. ..... 50%
Household. ..... ₱ gr $10.00
Erie Rat. 50%
FLY—
Balloon. ..... ₱ gr. $13.50
Electric Rod. ..... ₱ gr. $16.50
Globe. ..... ₱ gr. $13.50
Harper. ..... ₱ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering. 25%
W. & McP. Plastering. 25%
Richardson. 25%
Rose's Brick. ..... 15@20%
Brade's Brick. 20%
Sargent's Garden, No. 1. ..... 70%
Sargent's Garden, No. 15. ..... 50%

Vises—
Solid Box. ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge. 30%
Combination. 50%
Lowell Hand. 33⅓%
Stephens'. ..... 30@10%
Holland's. ..... 40@45%
Parker's. ..... 30@35%
Wilson'. 55%
Alligator. 50%
Howard's. 40%
Massey's Quick Ation ..... 20&2 %
Bonney's. ..... 40&10%
Millers Falls. ..... 40@40&10%
Trenton. ..... 40&5@40&10%
Merrill's. ..... 15@20%
Sargent's. 30%
Backus and Union. 40%
Prentiss'. ..... 30@35%
Simpson's Adjustable. 40%
Moore's. 20%
Little Giant Bench. ..... 25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15.00. ....40&10%
Stearn's. 40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₱ gross. $2.50 to $12.00
Rattan Drop Tops ₱ doz. 50c to $1.50
Rattan Straight ₱ doz. 80c to 3.00
Rattan Fancy Mounted ₱ doz. $1.50 to $6.00
Stocked Javas ₱ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₱ doz. $4.00 to $7.50
"True Grip" Raw Hide ₱ doz. $6.00 to $12.00
Whalebone...₱ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co. 40%
Clayton's. ..... 25&10%

Wire and Wire Goods—
Bright Wire Gooda, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18. ..... 70%
Galv., Nos. 0 to 18. ..... 62½%
Tin'd, Tinned list Nos. 0 to 18.65⅔%
Tinned Broom Wire.... ....5½c net
Galvanized Fence. 65%
Malin's Annealed and Tinned on Spools. ..... 60&5%
Malin's Brass and Copper on Spools. ..... 50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned. 65%
Copper and Brass. 55%
Brass, list Jan. 18, 1884. ..... 20%
Copper, list Jan. 18, 1884. ..... 35%
Barb Fence. .....See Trade Report
Cast Steel Wire. 50%
Stub's Steel Wire. .....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 20 55c ₱
Tate's Wire Picture Cord Braided and Twisted. ..... 30&10%
Picture Wire. .....New list 30&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₱ 100 sq. ft..$1.45
Galvanized Wire Netting.....30&10%
Brass Cloth. ..... 40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1893.
Iron. ..... 33⅓&2½%
Iron, Galvanized. ..... 40&2½%
Cast-steel. ..... 40&2½%

Wire Rope Clips—
Crosby. 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy. 50%
Alligator. ..... 40&10%
Hercules 70%
American Adjustable. 40%
Armstrong's 40%
Baxter's Adjustable "S". 50%
Baxter's Diagonal. 50%
Coes' Genuine. 50%
Coes' "Mechanics'." .....50&10&5%
Girard Standard. 70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought. .....80&5%
Eagle Pipe. 50%
Taylor Pipe and Nut. 40%
Stillson Pipe. 45%
Trimo Pipe. ..... 50&10%
Wakefield Pipe and Nut. 40%
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Patent Combination Bright.40&5%
Brigg's Pattern. ..... 60&10%
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Aiken's Pocket (Bright) $6.00.....60%
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Always Ready. ..... 33⅓@5%
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Donohue's Engineer. 35%
Trimo Combination. 40%
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Bit. ..... 25&10%
Standard Brace. ..... 25&10%
J. H. Williams 25%
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Lowell Socket Bridge. 20%
Lowell Lag Screw. 25%
Yankee 45%
Expert Bicycle. ..... 33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch.	$24.00
No. 30, Erie, 11 inch.	27.00
No. 55, King, 11 inch.	33.28
No. 45, King, 10x1¾ inch.....	26.00
No. 65, King, 11x2 inch.	33.00
No. 2, "77" 10 inch.	15.50
No. 2, Zenith, 10 inch.	16.50
No 3, Zenith, 11 inch.	19.00
No. 4, Zenith, 13 inch.	21.50

WOOD—

No. 40, Prime, 10 inch.	20.00
No. 50, Prime 11 inch.	23 00
No. 66, Columbia, 11x1¾ inch..	27.00
No. 99, Pittsburg, 11x2 inch....	31.00
No. 33, Nonpareil, 11x1¾ inch..	28.00
No. 44, Nonpareil, 11x2 inch....	33.00
Peerless Mfg. Co., List Feb. '92 2% cash	
Colby Wringer Co.:	
No. 10 Rolls, 10x1¾ inches....	21.00
No. 11 Rolls, 11x1¾ inches....	25.00
No. 12 Rolls, 12x1¾ inches....	29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₱ gal. 57c
Linseed. City, Boiled, " ₱ gal. 6 c
Out of Town on Spot..... ₱ gal. 56c
Calcutta, Raw, in bbls.... ₱ gal. 56c
Lard. ..... 65@6 85

Paints and Colors—
Barytes, Prime White, ₱ ton, $11.00@$17 00
Barytes, Foreign Floated, ₱ ton, $17.00@$18.00
Barytes, Domestic Floated, ₱ ton, $22.00@$23 00
Barytes, Off Color, ₱ ton, $10.00@$13.00
White Lead, American, Dry, ₱ ℔ 5 @5½c
White Lead, American, in Oil, ₱ ℔ ..... 5 @5½c
White Lead, English, in Oil, ₱ ℔ 5½@7 c
Litharge, American Powdered, ₱ ℔ ..... 4½@4¾c
Litharge, English Flake, ₱ ℔ 8½@9 c
Litharge, Glassmakers', ₱ ℔ 5½@6 c
Zinc, American, Extra Dry, ₱ ℔ 3½@4¼c

Putty—
Putty in Bulk. ..... $1.45@$1.75
Putty in Bladders. ..... $1.65@$2 00
Putty in Tins ..... $2 .0@$2.50

Spirits Turpentine—
Spirits Turpentine, ₱ gal. 33c

Colors in Oil—
Black Coach Japan ₱ ℔..18½@20 c
Black Coach Japan in Oil. ..... ₱ ℔ 12 @13 c
Black Drop. ..... ₱ ℔ 7½@10 c
Black Lampblack, prime, ₱ ℔ 27½@33 c
Black Lampblack, medium. ..... ₱ ℔ 15 @20 c
Black Lampblack, 2d quality. ..... ₱ ℔ 13 @19
Black, Lampblack, low grade ..... ₱ ℔ 6½@10 c
Blue, Chinese. ..... ₱ ℔ 35 @40 c
Blue, Prussian ..... ₱ ℔ 20 @30 c
Blue, Ultramarine.. ₱ ℔ 13 @18 c
Brown, Sienna, raw. ₱ ℔ 7 @10 c
Brown, Sienna, bur't ₱ ℔ 7 @10 c
Brown, Umber, raw. ₱ ℔ 7 @10 c
Brown, Umber, bur't ₱ ℔ 7 @10 c
Brown, Vandyke.... ₱ ℔ 7 @11 c
Green, Chrome..... ₱ ℔ 8 @14 c
Green, Paris..... ₱ ℔ 16 @1½c
Red, Indian..... ₱ ℔ 12 @15 c
Red, Venetian..... ₱ ℔ 4½@ 8 c
Yellow, Chrome..... ₱ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ₱ ℔ 4½ c

TROY DAMPER.
MADE OF
18 GAUGE STEEL.
All Defects in other Dampers removed in this one.
TIME TESTED.
ONE HOLE IN PIPE.
Send for Sample and Prices.



16 Patents.
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E. I. Du Pont, de Nemours & Co Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hangers, Eave Troughs.
John W. Bell & Co., Mercer, Pa.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co., Hamilton, O.
T. W. Houchin, New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Boston.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Menders.
C. E. Hudson & Co., Leominster, Mass.

Hose Nozzles.
American Ball Nozzle Co., New York, San Francisco.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Blair Mfg. Co., Springfield, Mass.
Enterprise Mfg. Co., Philadelphia.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
American Lead Pencil Co., New York.
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, New York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Billings & Spencer Co., Hartford, Conn.
Boston Gear Works (Gears only), Boston.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cans.
Star Mfg. Co., Canton, Ohio.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
American Lead Pencil Co., New York.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

Planes.
Samuel I. Goodall Co., Philadelphia.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

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C. H. Angus, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

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Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Bellevue Pump Co., Bellevue, Ia.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

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Geo. H. Mason & Co., Boston.

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Ashtabula Tool Co., Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
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Columbia Refrigerator Co., Northville, Mich.

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Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.

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J. P. Lovell Arms Co., Boston, Mass.

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Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

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Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sample Holders.
Massey & Thompson, Monroe City Mo.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Balances.
Richmond Safety Gate Co., Richmond, Ind.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
E. E. Brown & Co., Philadelphia, Pa.

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American Saw Co., Newton, N. J.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading Pa.

Scissors Sharpeners.
Eastman & Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.

Snow Guards.
Folsom Snow Guard Co., Boston.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

Solder.
Bruce & Cook, New York.

Solid Steel Ware.
Cleveland Stamping & Tool Co., Cleveland, O.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Sabin Machine Co, Montpelier, Vt.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

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Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co, Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoneware.
F. H. Weeks, Akron, O.

Stove Pipe.
Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
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Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Keuffel & Esser Co, New York.
Lufkin Rule Co, Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Thill Coupling Spring.
Sabin Machine Co., Montpelier, Vt.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

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Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
Athol Machine Co., Athol, Mass.
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Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
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Henry Disston & Sons, Philadelphia.
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Torches.
Smith & Whittier, Boston.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

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John Chatillon & Sons, New York.
G. L. Van Namee Mfg. Co., Gouverneur, N. Y.

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Gwinner Mfg. Co., Hamilton, O.

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Edward Smith & Co., New York.

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Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

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Charles Morrill, New York.

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Boston Belting Co., Boston.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

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Toledo Wheelbarrow Works, Toledo, O.

White Lead.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

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Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co, Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

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Edward Darby & Sons, Philadelphia.
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American Wire Co., Cleveland, O.
Bruce & Cook, New York.
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Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

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Clinton Wire Cloth Co., Clinton Mass.
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Wright & Colton Wire Cloth Co., Worcester, Mass.

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Gilbert & Bennett Mfg. Co., New York and Chicago.
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T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co., Worcester, Mass.

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Wright & Colton Wire Cloth Co. Worcester, Mass.

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Bruce & Cook, New York.

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Gilbert & Bennett Mfg. Co., New York and Chicago.

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Ironton Wood Mantel Co., Ironton, O.

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American Saw Co, Trenton, N. J.
Coes Wrench Co., Worcester, Mass.
Gwinner Mfg. Co., Hamilton, O.
Samuel Hall's Son, New York.
Tower & Lyon, New York.

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National Wringer Co., Canton, O.

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Reading Hardware Co., Reading Pa.

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PAINTED AND GALVANIZED WINDOW SCREEN CLOTH,

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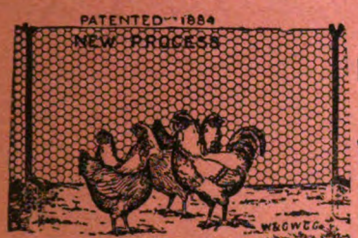
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HARD STEEL GALVANIZED WIRE NETTING.
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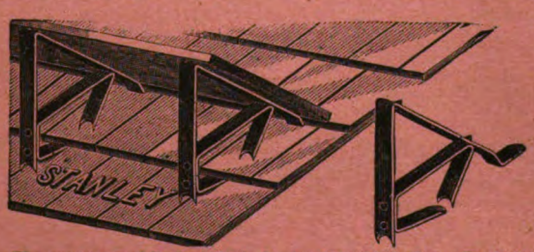
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You will have it When the time comes.

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STANLEY
Rule & Level Co.
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SOLD BY ALL HARDWARE DEALERS.



The parts are of Spring Steel, firmly riveted together. Push the beveled ends up under two layers of shingles, already nailed down; the Bracket has two separate bearings on the roof, and is so formed that any increase of pressure from above, increases its stability.

One dozen per minute can be placed in position, or removed; and great economy in lumber and nails will be found. There are no loose parts to get lost; and no nail-holes are made in the roof. In constant use these Brackets will last a life-time.

No. 1. Roofing Brackets, 8 inch, ½ dozen in box. Per Doz., $3.00





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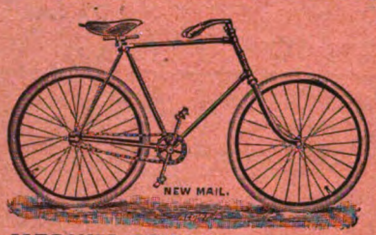
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LEMON SQUEEZERS
WRITE FOR PRICES TO
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CAPEWELL HORSE NAILS

Tensile strength one-half greater than that of any other nail made.

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The Capewell Horse Nail Co., Hartford, Conn.

Cleveland Twist Drill Co.



We make the BEST drills on the market.

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HARDWARE EXCLUSIVELY.

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VOL. XI. No. 7. New York, July 10, 1895. $1.00 A YEAR.



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BEST ANTI-FRICTION METAL FOR

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RIFLE AND REVOLVER CARTRIDGES

Now ready 

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22 Short R. F. 32 S. & W. C. F. 38 S. & W. C. F. 25-20 Marlin C. F.



U. M. C. Cartridges loaded with SMOKELESS powder are equally as accurate as those loaded with BLACK powder and have the following advantages:

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LESS NOISE. RECOIL. OTHER SIZES IN PREPARATION. Send for Catalogue.

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To introduce such a well-known article, but lest you may not have had the pleasure

PERMIT ME TO PRESENT

Stanley's Corrugated Steel Hinge!

The famous Hanger of Doors. Send for his Biography to

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Steel Shelf Bracket.

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Our Bitstock Drills are made with SOLID SHANKS and cost no more than inferior makes. Sell "STANDARD" only.

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Send for samples and prices before you place your orders.

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SAMSON & MASSACHUSETTS Brands.

Send for Samples Samson Cordage Works, BOSTON, MASS.

Its strength is uniform and quality always the same.

"DODD'S" LIQUID GLUE.

It gives perfect satisfaction.

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A Perfect Stove Polish. Dustless. Odorless. Guaranteed to the Trade.

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These saws are a trifle higher in price, but are being adopted by all Mechanics who use high grade tools.



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Iron and Steel

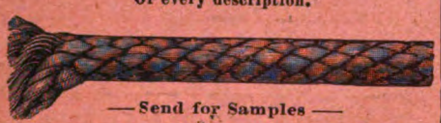
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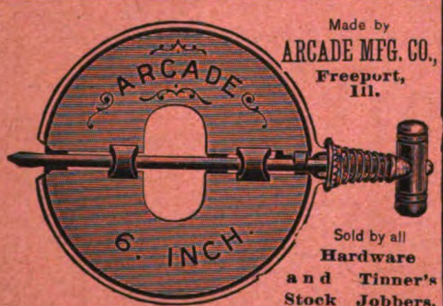
Wire Straightened and Cut to length.

Braided Cord
Of every description.



—Send for Samples—
TATE MFG. CO., MALDEN, MASS.

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ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.
Also a full line of Shoe Finder's Tacks and Nails.
——Orders Solicited.——
Prices and terms quoted promptly on application.



Made by
ARCADE MFG. CO.,
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Sold by all Hardware and Tinner's Stock Jobbers.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

LANE'S
PATENT STEEL BARN
DOOR HANGER.



ANTI-FRICTION.
MOST COMPLETE IN CONSTRUCTION.
MATERIAL THE BEST.
NO BREAKAGE.

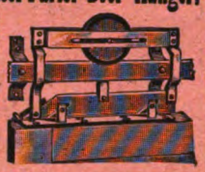
Ease of Movement. Always in Order.

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Hanger is made of steel throughout, including wheel except solid interior leather tread, causing to roll noiselessly.

Single teel Track Instead of Double Wood Rail.

Ask Your Hardware Dealer and Send for Circular.



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LANE BROTHERS, Poughkeepsie, N.Y.

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SAMSON ANVILS

On Page 59.

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Buffing Wheels,

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Thanking you for favors received in the past, I bespeak a continuance of your patronage under the new organization and trust that the same pleasant relations existing between us may be continued.

Yours truly,
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BEST FOR CARPENTERS AND BUILDERS BECAUSE:
Made of Best Steel. Hammer Refined. Accurate in size. Can be sharpened upon a grindstone. Does not Split the Wood. Will cut off nails. Will Enlarge a Hole without Plugging.
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Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

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WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.



WILLIAMSON'S
NEW POWER CORK SCREW.

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:
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No. 1443. Nickel Plated, Applewood Handle.....$5.00 per doz.
" 1443. " " Rosewood " .....$5.50 " "

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This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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The Standard for the World.

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$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.
Unequalled—Unapproached.

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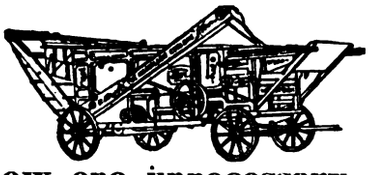
If "High Grade"



This is the Belt.

Read the Guarantee

Will make an old machine run better



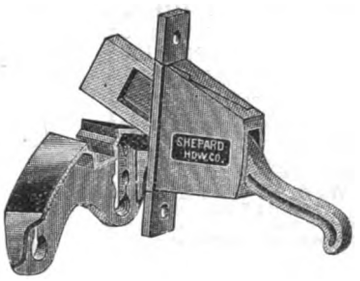
and a new one unnecessary. -:- -:-

To the Hardware and Implement Trade.
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Of the Mechanical Rubber Co.,
CLEVELAND, OHIO.

REPAUNO CHEMICAL CO.,
MANUFACTURERS
ATLAS AND JUDSON POWDERS
AND
REPAUNO GELATINE.
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Our High Explosives are Standard and Guaranteed to run Uniform.
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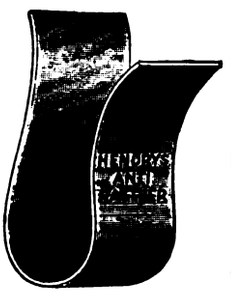
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☞We are the SOLE Manufacturers.

THE WRIGHTSVILLE HARDWARE CO., - - WRIGHTSVILLE, PA.



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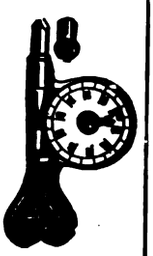
Best Metal Spring: Adapted to any Coupling: Holds the Shaft: Prevents All Rattling: Lasts: Easily Adjusted.

Sabin Machine Co., Montpelier, Vt.



Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—
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—Send for description, price lists, etc.—



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Specialties in
SHEET METAL WORK,
CLOCK and INDICATOR POINTERS.
CLARK & COWLES, Plainville, Ct.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

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IT TAKES A PULL

to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, **15 Park Row, New York.**

IMPROVED

Tack, Shoe and Wire Nail MACHINERY,

KIMBAL BROS. & CO., Mfrs,

Send for Prices. **BROCKTON, MASS**

Any size or style. Send for Catalogue.

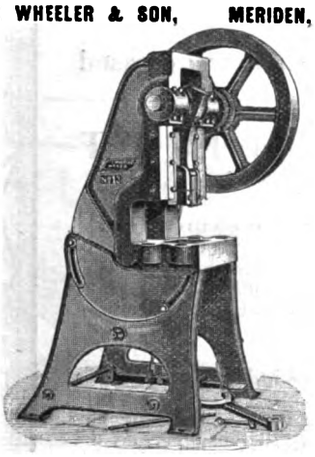
Special Discount to the Hardware Trade.

BOSTON GEAR WORKS

42 Hartford Street,

(FRANK BURGESS, PROPRIETOR.) **Boston, Mass.**

FRANK WHEELER & SON, MERIDEN, CONN.



ROLLING MILLS, DIES, TROLLEYS, AND SPECIAL MACHINERY.

BUILDERS of the new Wheeler Power Presses, containing Wheeler's patent adjustment and clutch mechanism. If you are thinking of buying anything in this line it will pay you to write to us for prices and particulars.

"THE BALL DOES IT ALL!"



No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .

A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.



No. 5. ¾ inch Ball Nozzle. For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



No. 3. ¾ inch Combination Ball Nozzle.



No. 4. ¾ inch. Combination Ball Nozzle.

NATURE SERVES MAN IN A MYSTERIOUS WAY! **WHY** DOES THE BALL REMAIN AGAINST PRESSURE?

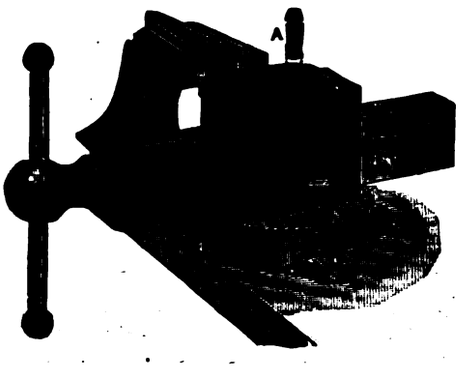
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BALL NOZZLE MANUFACTURED SOLELY BY

AMERICAN BALL NOZZLE COMPANY,

837-847 BROADWAY, NEW YORK.

Branch House—325 SUTTER ST., SAN FRANCISCO, CAL.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

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Manhattan Commercial Agency

OF NEW YORK.

J. H. GILES, Gen. Manager.

THIS Agency furnishes the means to business men that will enable them to know whom NOT TO TRUST.

Reliable correspondents in all cities and towns in the United States.

Hardware Collections a Specialty.

Tribune Building, New York.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

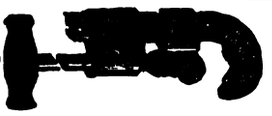
BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass

WM. H. BELCHER,
62 READE STREET, NEW YORK.
Manufacturer and Importer,

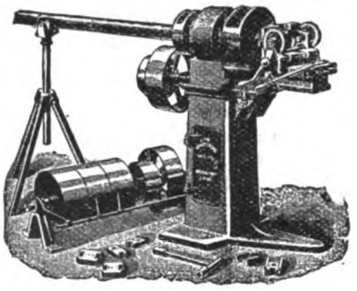
Rules, Surveyors' Leveling Rods, Chesterman's Metallic and Steel Tape Measures, Surveyors' Land Chains, &c.

YOUR STOCK IS NOT COMPLETE

Without a Line of



"ARMSTRONG"



No. 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE?



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET.—

COPPER NAILS & TACKS.

PRICES NO HIGHER. PROMPT SHIPMENTS.

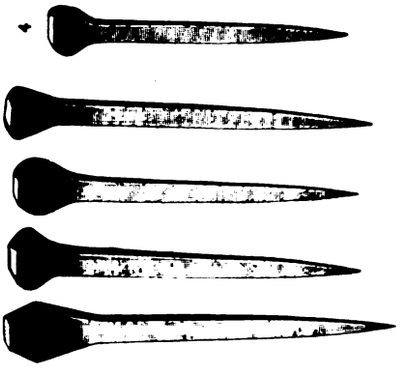
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POSITIVE SECURITY
against sneak thievery by the use of
Shepardson's Key-Hole and Baggage Guard.
Sample by mail 75 cents. Illustrated circular and price list sent on application.
KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

The PUTNAM Hot-Forged and Hammer-Pointed Horse NAILS

Are made in Sizes and Styles as below:



TURF NAILS, Nos. 1 to 5.

FRENCH HEADS, for punched shoes without creases, Nos. 3 to 7.

REGULAR HEADS, Nos. 5 to 14.

CITY HEADS, for shallow creased shoes, Nos. 5 to 9.

COUNTER HEADS, or FROST NAILS, Nos. 5 to 9.

Prices of these styles are the same as for Regular Heads of the same size.

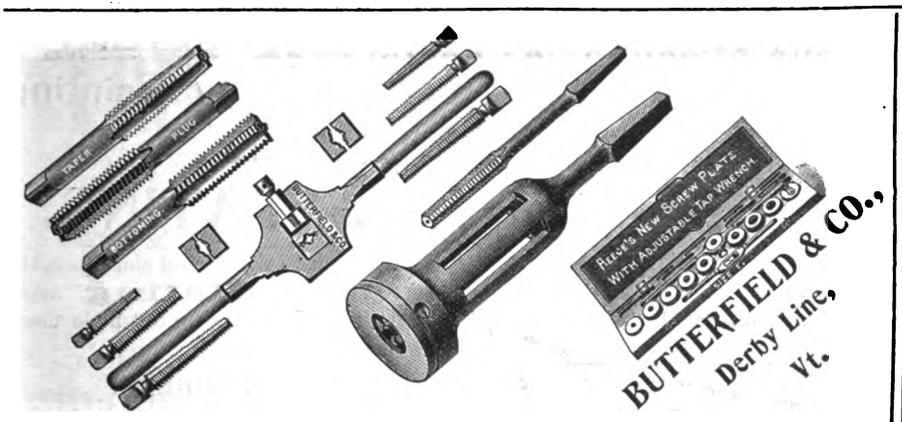
The **only** Horseshoe nails in the world made precisely the same as the old-fashioned, hand process, being exclusively **Hot Forged and Hammer-Pointed.** This **hammering** (not pressing, rolling or shearing) while the metal is at welding heat blends all the particles into a compact, firm nail that outwears all others and will **Never Split, Sliver or Break.** *They are not sheared but have smooth edges clear to the point.*

The attempts of other manufacturers, in their advertising, to identify their product with the Putnam Nail leads us to state that the PUTNAM NAIL is made SOLELY by us in the ONLY RATIONAL WAY a GOOD horsenail can be produced.

Nickel-plated Mascot Ring for 10 Cents in Stamps or Silver.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

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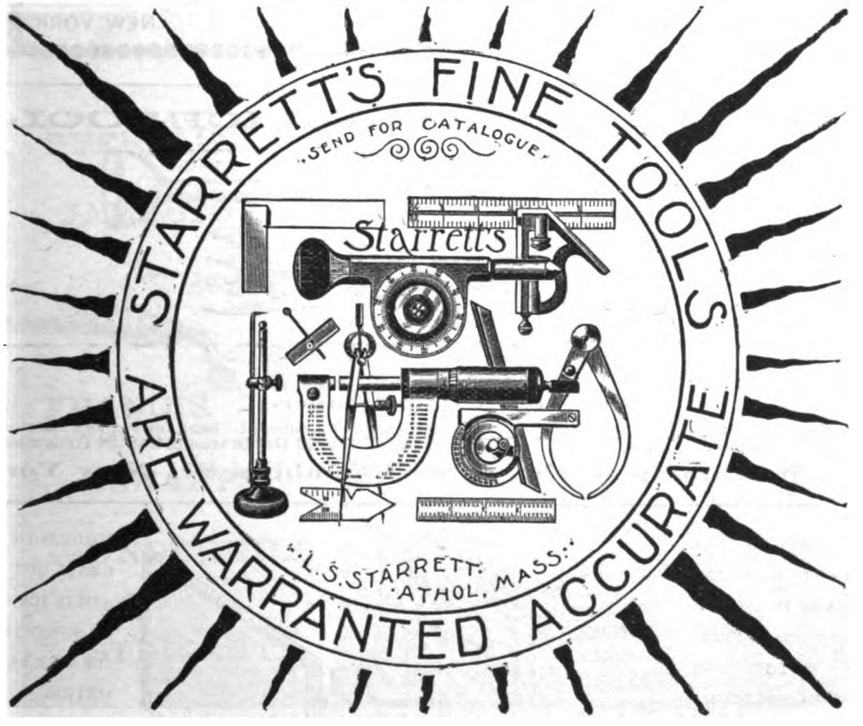
THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

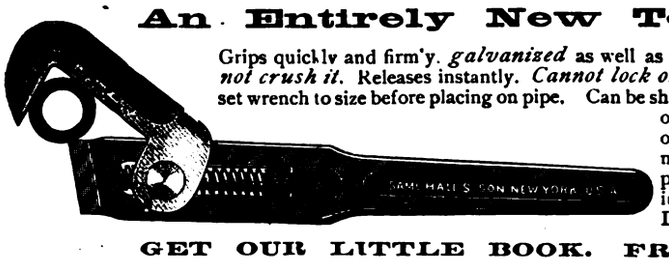
Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Earle's Hotel) **NEW YORK.**



HALL'S IMPROVED PIPE WRENCH.

An Entirely New Tool.



Grips quickly and firmly. *galvanized* as well as other pipe, *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

GET OUR LITTLE BOOK. FREE.

SAMUEL HALL'S SON, 229 WEST TENTH STREET, NEW YORK.

WIRE & IRON WORK.



FENCING, OFFICE RAILINGS, WINDOW GUARDS, STABLE FIXTURES, ETC.

GRAVE GUARD.

RESERVOIR VASES.

IT WILL PAY YOU TO HANDLE THEM.

ROOF CRESTING.

LAWN FURNITURE, FOUNTAINS. STATUARY.

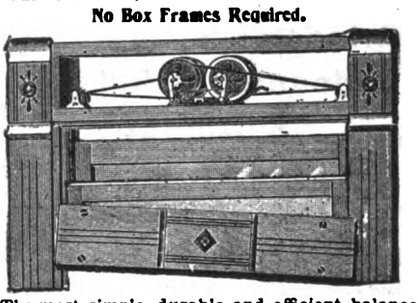
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DETROIT, MICH. RESERVOIR VASE

THE SECURITY SASH BALANCE.

No Box Frames Required.



The most simple, durable and efficient balance made. Weight of sash not essential when ordering balances. Specified by Architects, and recommended by Builders. For sale by the Hardware Trade generally. Manufactured by the

Richmond Safety Gate Co., Richmond, Ind.

You take no risk on the quality when we make only the best.



Sand Papers IN Reams and Rolls — Flint Paper, Garnet Paper, Emery Paper, Emery Cloth

H.A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & CO

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102 LAKE STREET, CHICAGO.

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Are now ready for Painting,

AND THERE IS BUT ONE ARTICLE WITH WHICH TO PRODUCE A SATISFACTORY RESULT, AND THAT IS

THE LAWRENCE BLACKBOARD SLATING.

This slating will not glaze, scale or blister when properly applied. The great fault with other liquid slatings is that they produce either too smooth or too rough a surface. **The Lawrence Slating** avoids both faults and produces a slightly rough yet black surface, that can easily be written on, which takes up but little chalk, and from which erasures are easily made.

CIRCULARS AND PRICE LISTS ON APPLICATION TO THE MANUFACTURERS.

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NEW ENGLAND AGENTS, Carpenter-Morton Co., Boston. WESTERN AGENTS, Thos. Kane & Co., Chicago.

TO SAVE FREIGHT

WE KEEP IN STOCK

Grindstones,
Mounted Grindstones,
Scythe Stones,
Axe Bits, &c.,

AT OUR BRANCHES

283 Front Street, New York, N. Y.
Chicago, Ill., Office 706 Tacoma Building.
33 & 33 Sleeper St., So. Boston, Mass.

THE CLEVELAND STONE CO,

Hickox Building. **Cleveland, O.**

Howard Iron Works,

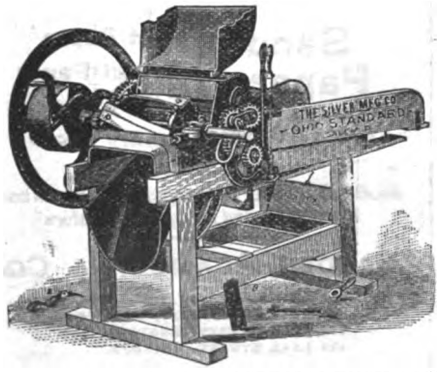
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Manufacturers of

Bench Vises.

Price Lists sent on application.

The "Ohio" Ensilage and Fodder Cutters.



Large and Complete line of SPECIAL ENSILAGE and GENERAL PURPO E Machines.

THE SILVER MFG. CO., Salem, Ohio.

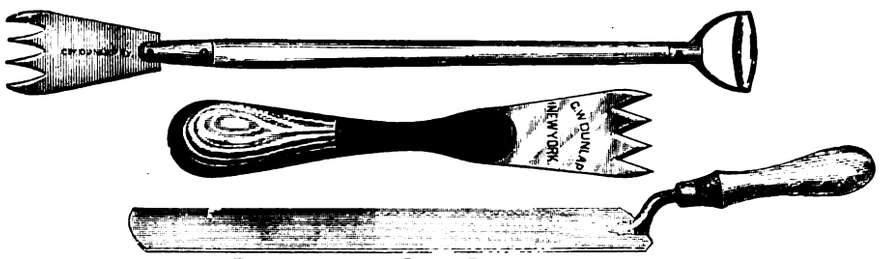
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Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?
WE FURNISH COMPLETE OUTFITS.

THE HANSON & VAN WINKLE CO.,
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DUNLAP'S SUPERIOR ICE TOOLS



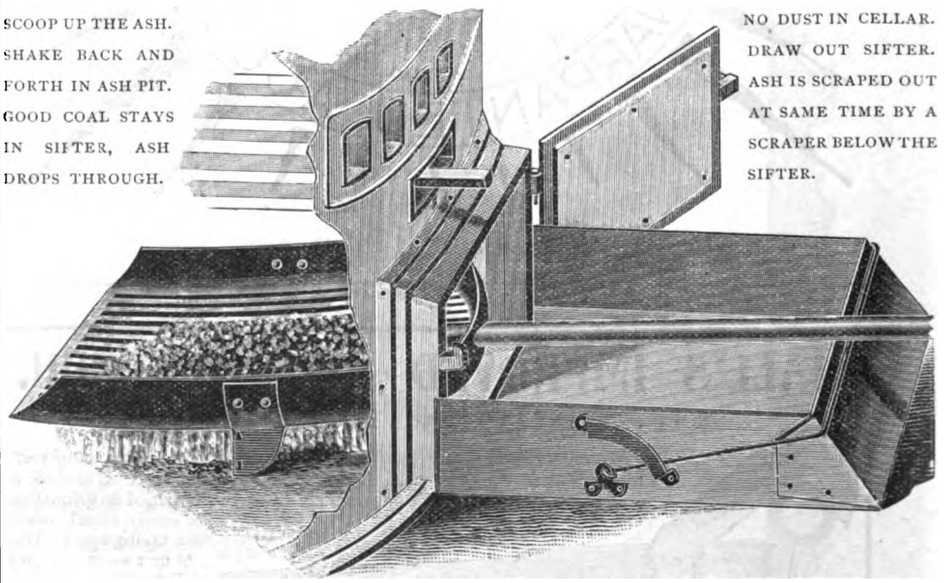
Ice Cream Can Scraper.

Blades made of Crucible Cast Steel, carefully hardened and tempered. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.

SCOOP UP THE ASH. SHAKE BACK AND FORTH IN ASH PIT. GOOD COAL STAYS IN SIFTER, ASH DROPS THROUGH.

NO DUST IN CELLAR. DRAW OUT SIFTER. ASH IS SCRAPED OUT AT SAME TIME BY A SCRAPER BELOW THE SIFTER.



LACKAWANNA SIFTER

For Furnaces only. Is a scoop with slots, also a scraper beneath to bring out ash into a pan which we also make. No dust. All sifting is done in the ash pit. Write us.

THE LACKAWANNA SIFTER CO., Cleveland, Ohio.

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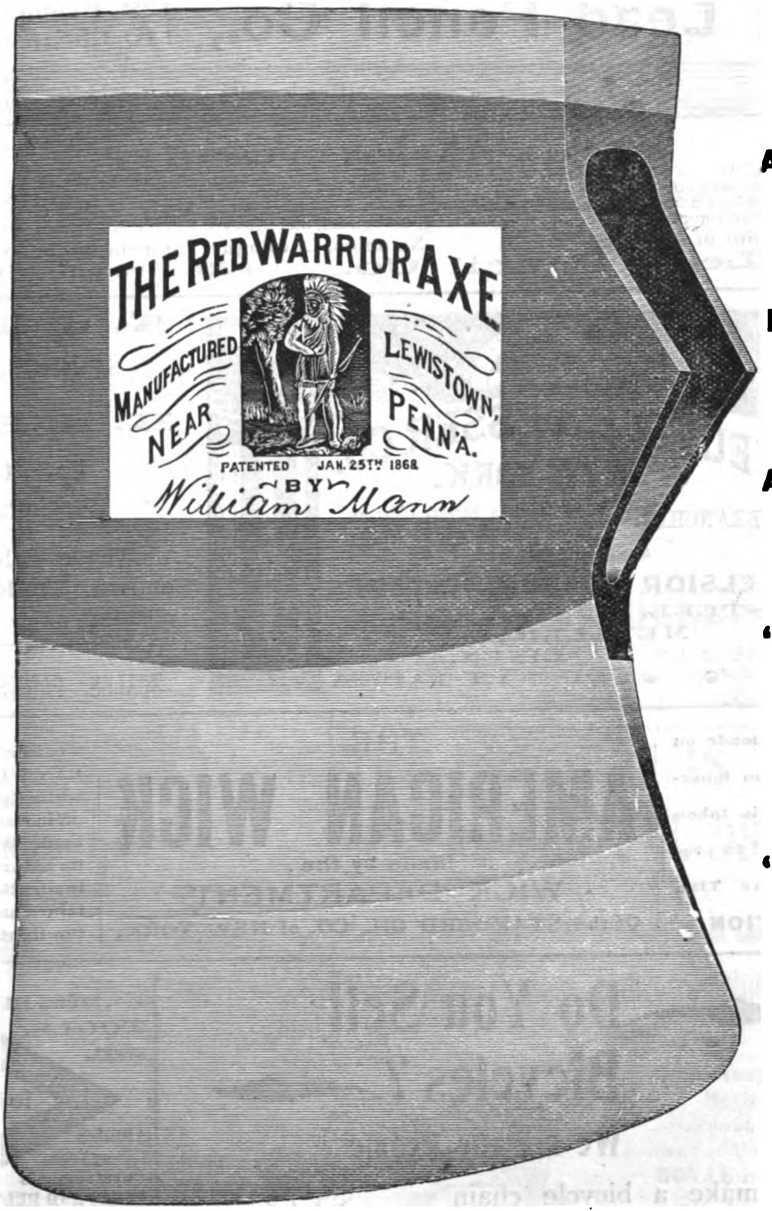
THE AMERICAN AXE AND TOOL CO.,

- - Telephone Number, 1023 Cortlandt. - -

253 BROADWAY, - NEW YORK.

MANUFACTURERS OF

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REDWARRIOR,
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JAMESTOWN,
ROMER,
FRANCIS,
SHARPS,
UNDERHILL,
STEWART,



Brands of
AXES,
HATCHETS,
BROAD AXES,
and
ADZES,
also
"BLOOD'S"
CHAMPION
and
"HUBBARD'S"
DIAMOND
BLADE
SCYTHES.

Beware of Imitations!

The name **WILLIAM MANN** appears on all genuine Red Warrior Axes.

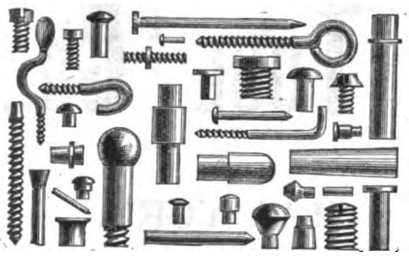
Grass Hooks, Corn Knives, Bush Hooks, Ice Picks, Ice Axes, Ice Hatchets and Firemens' Axes, Wood Chisels, Picks, Mattocks, Brick Hammers, Box Openers, Ice Chisels, Butchers' Handled Axes, Meat Hatchets.

ALWAYS IN STOCK:

Best Leading Brands of Axes and Edge Tools. Cheap Handled Axes. Medium Grade Axes. Boys' and Hunters' Axes.

JOB LOTS of AXES, ALL GRADES and PATTERNS.

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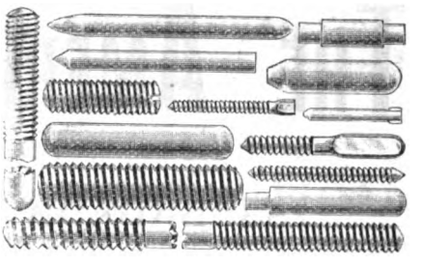


Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.



American Lead Pencil Co.,

429 Broome Street, New York.
110 Cheapside, London, England.

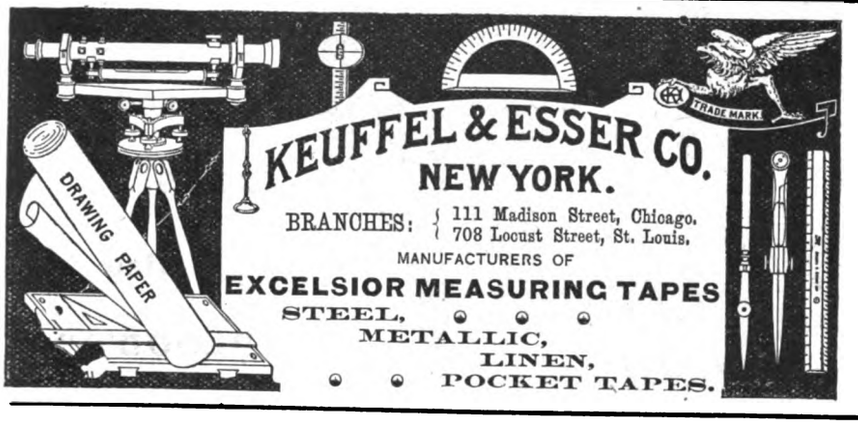


113. "CARBON" PENCIL.

TO obviate that tired feeling and dull pain in the fingers, which invariably accompany the use of the ordinary black lead pencil whenever too much pressure is brought to bear or it is used any length of time, and at the same time to produce an article that is very smooth, very black and very firm, thus adapting it for all kinds of work where a fine, smooth, black and legible mark is required, this pencil cannot be too highly commended. For writing on soft paper t surpasses anything heretofore produced; and for sketching, draughting and heavy shading it is indispensable.

Dozen mailed on receipt of 50 cents. **Samples, Catalogue, Information upon Application. Address**

American Lead Pencil Co., 429 Broome Street, New York.



K. & E.

SPRING JOINT STEEL RULES.

K. & E.

Pocket Rules, plain and with springs.

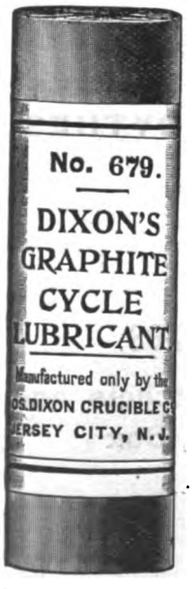
These rules sell well wherever shown. Trade price list on application.

SCALES, PLUMB-BOBS, THUMBTACKS, &c.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE **GREATEST ILLUMINATION.**

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light **DROPS.**



Do You Sell Bicycles?

We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

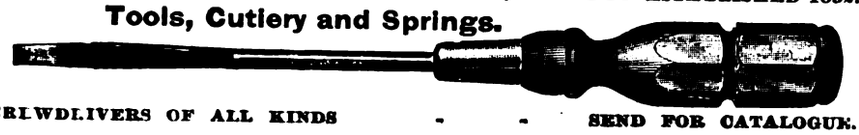
Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

P. S. STUB'S FILES. TOOLS. STEEL.
Hubert's French EMERY PAPER.
KEARNEY & FOOT FILES.
CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST NEW YORK. 109
ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.
TWIST DRILLS, TAPS, DIES, Machine Screws.
CABLE ADDRESS "BUNDLET NEW YORK."

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.
Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



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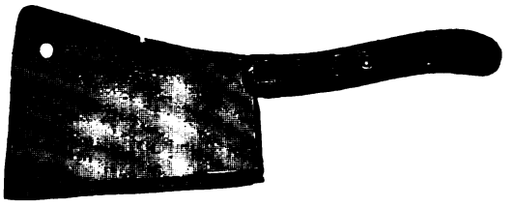
MANUFACTURERS OF

SCALES

—AND—

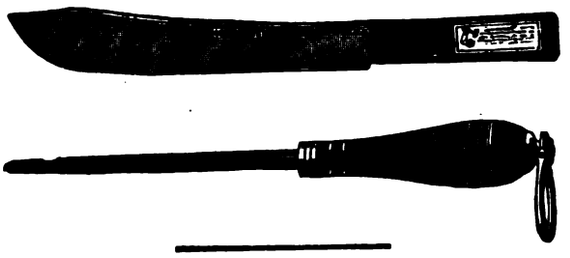
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SOLE AGENTS FOR



Foster Bros.'

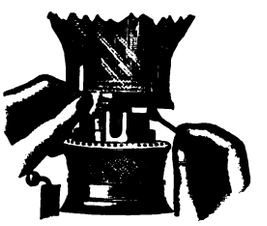
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

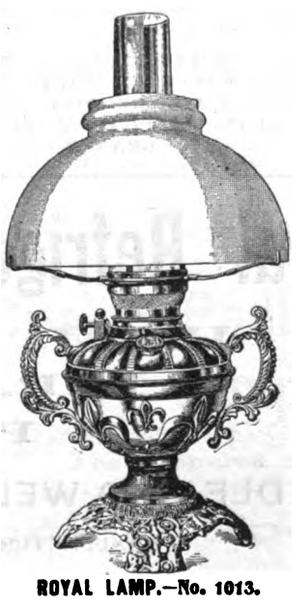
Main Office and Factories, Meriden, Conn.

THE ORIGINAL IS THE BEST.

ROYAL CENTRAL DRAFT LAMP.

This Lamp has no Superior in the known world.

Gives the Largest Light for Wick Exposure of any Lamp made.



ROYAL LAMP.—No. 1013.

Chimney Lift and Wick Raising Device the best and easiest of adjustment. There are many imitations of these improvements, but the **ROYAL** is still the best.

The Royal Chimney. Lift will stay in position while lighting the lamp without support from the hands. This no other lift device will do.

The Wick Raising Device of the Royal Lamp is unquestionably the best, and has the approval of our largest competitors by their practical adoption of it.

The Wick can be adjusted more accurately and more easily than by any other device.

Workmanship, Style and Finish are unsurpassed. Made in all finishes of Stand, Table and Banquet Lamp. No better lamp for the dealer to handle.

The Plume & Atwood M'f'g Co.

29 Murray St., New York. 199 Lake St, Chicago, Ill.

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THE ENTERPRISE M'F'G CO. of PA., Third and Dauphin Streets, Philadelphia.

CHERRY STONERS.

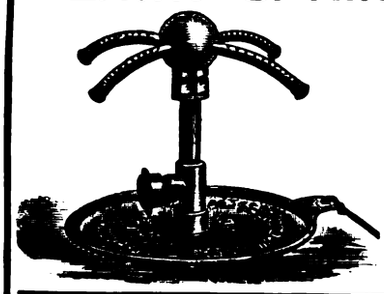


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No. 2, Tinned $9.00 per dozen.

LAWN SPRINKLERS.



Indispensable to a Well Kept Lawn.

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FRUIT & JELLY PRESS,

TINNED.

Invaluable for making

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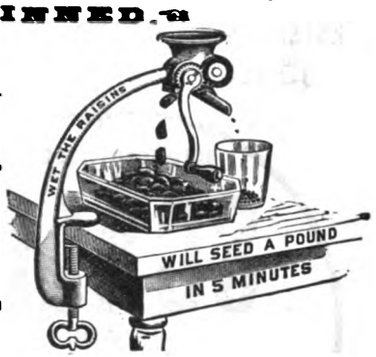


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TINNED.

Will Remove Every Seed Without Waste.



PRICE.

No. 36, . $1.00

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ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
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- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

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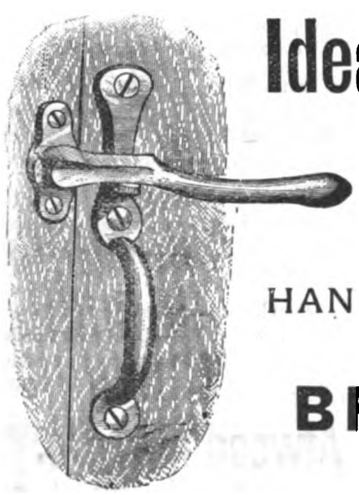
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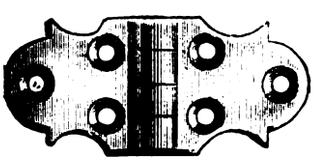
We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

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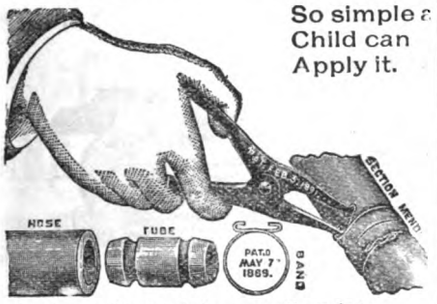
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Get the Best Keep Posted — Send for Descriptive Lists

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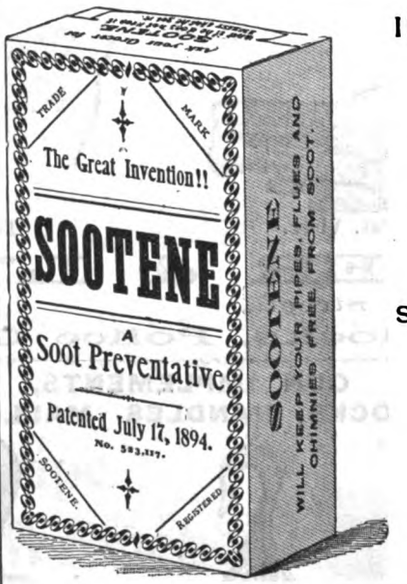


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IF YOU
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Central and Northern States,
ALSO EXPORT.
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A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

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Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

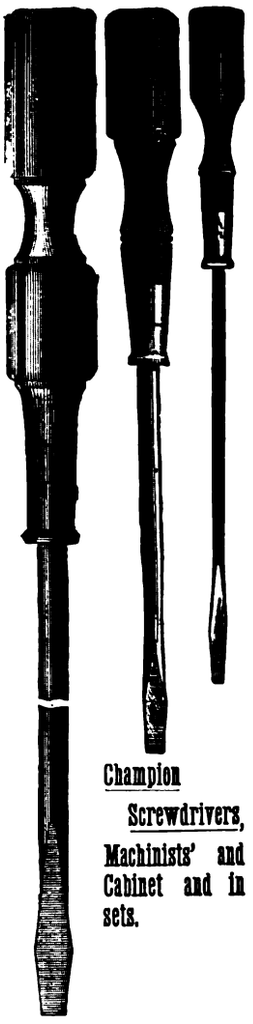
Models, Special Tools

And the manufacture of all kinds of

SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

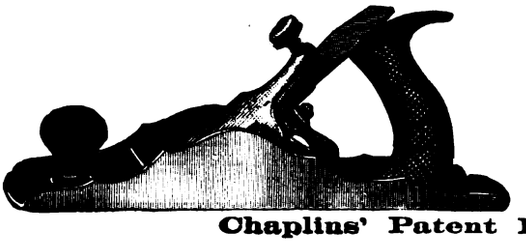


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





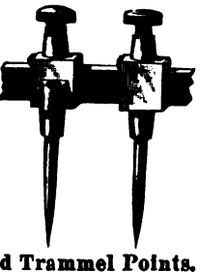
Corrugated Face.

Chaplins' Patent Iron Planes.



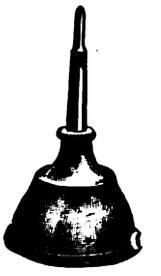
Unique Levels for Sqr.



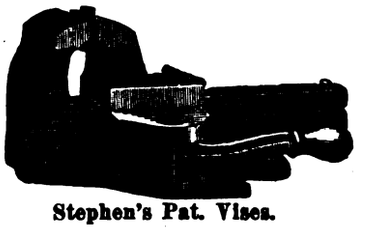


Plumb Bobs and Trammel Points.

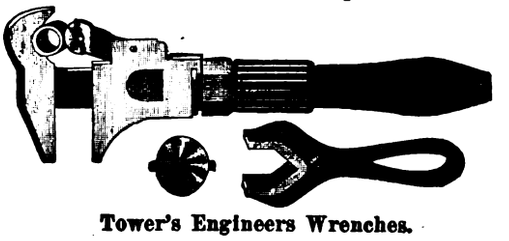




Mall Lamps and Oilers.



Stephen's Pat. Vises.



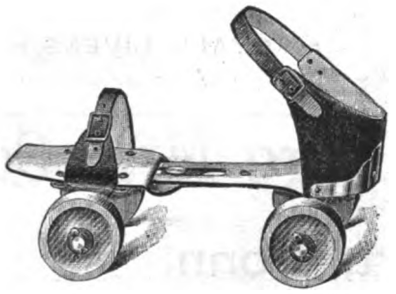
Tower's Engineers Wrenches.

TOWER & LYON,

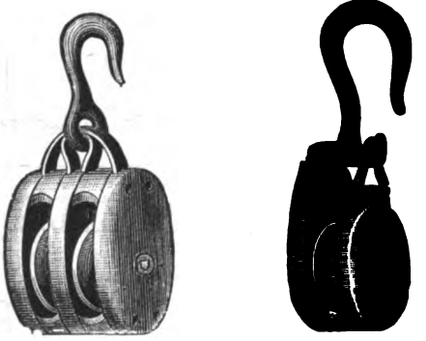
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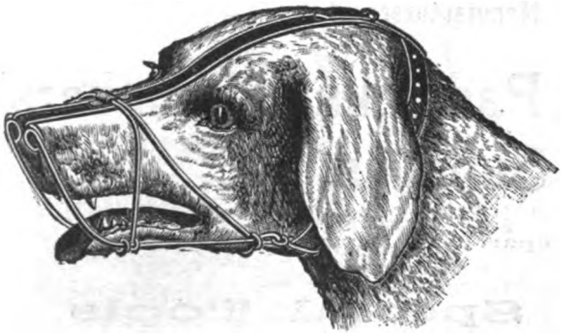
EXTENSION ROLLER SKATES.



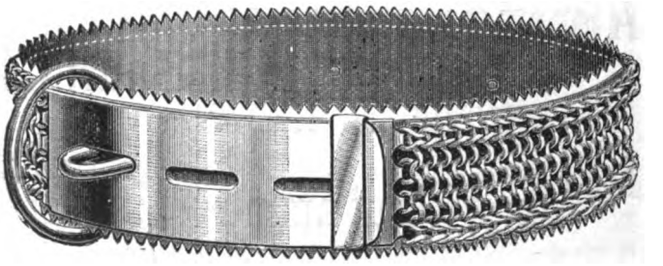
UNION BRAND TACKLE BLOCKS.



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WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

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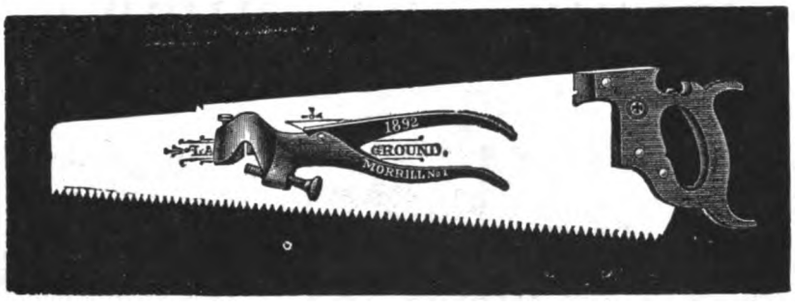
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New York Office in charge of TOWER & LYON.

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Universal
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AND WAGON



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SEALERS
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The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:—: A FULL LINE OF :—:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3 50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—¾	¾—¾	⅜—1¼	1¼—2	2 —3
Roundiron	¼—¾	½—1	¾—1⅜	1½—2½	2½—3½
Length	5	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.



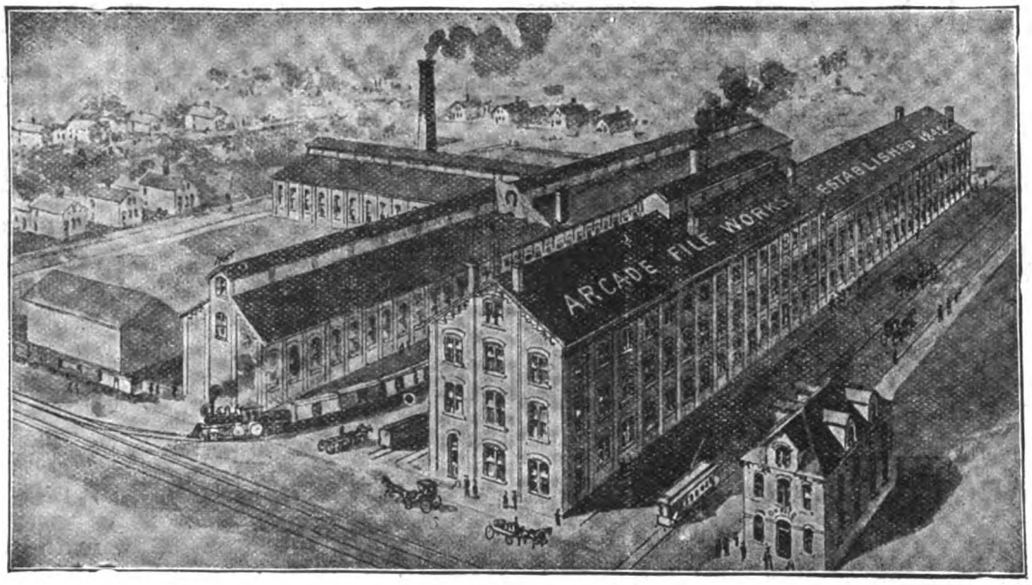
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

STANDARD OF EXCELLENCE.



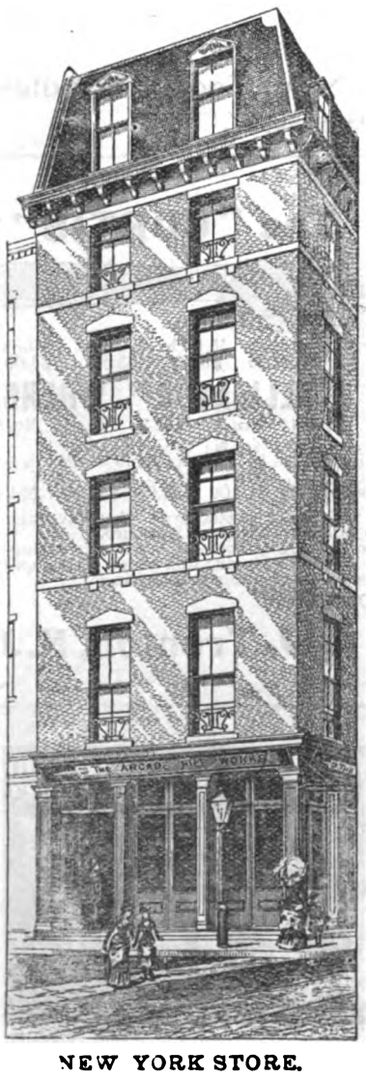
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Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



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For the convenience of the jobbing trade, we have opened offices and warehouses in New York and Chicago, where we carry a large and complete stock, and are thus enabled to supply the trade promptly.



CHICAGO STORE.

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The Largest and Most Complete File Works In The World.

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For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

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Bastard, 2nd Cut,
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In all Shapes,
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3000 Varieties,
Increment Cut
Files and Rasps.

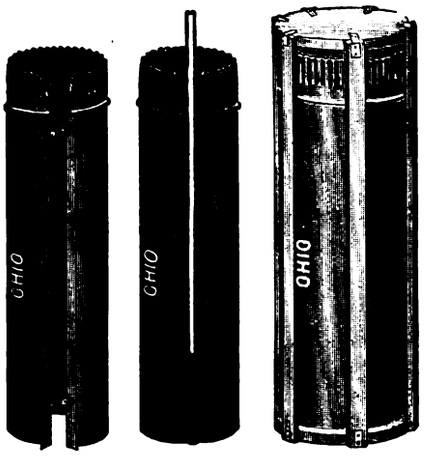
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizse:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in ... "

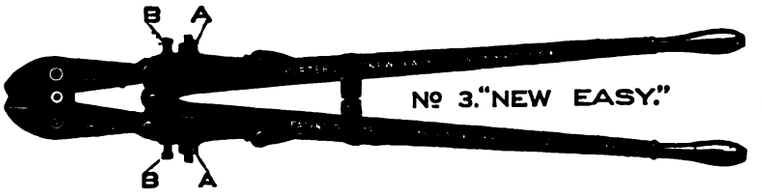
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

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have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:
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$100,
$90,
$75.
26 in. Boys'
$50.



PRICES:
LADIES'
$100,
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26 in. Girls'
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22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

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Varnish Makers
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Color Grinders,
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WATERBURY BRASS CO.,
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Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

JOBBERS who do not become acquainted with Winslow's Ice Skates in **1896** will regret it.

THE SAM'L WINSLOW SKATE MF'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

RETAILERS cannot afford to buy a stock of Ice Skates for **1896** before they have seen and considered

WINSLOW'S SKATES.

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HARDWARE

VOL. XI. JULY 10, 1895. NO. 7.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 13 PEARL STREET.
CINCINNATI, - - - - - No. 109 NEAVE BUILDING.

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THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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"The Good Times Coming."

The signs of the times are propitious. The midsummer dullness, of course, has its effect upon the rising wave of prosperity, but conditions that count for anything indicate a general revival in all directions with the coming of fall. The wage market, which is perhaps the surest barometer, is moving in a suggestive manner. During a space of thirty days in June the record of increased wages for over two hundred and fifty thousand workmen was noted. A large share of the increase was in the line of iron manufacture—and an eminent authority has laid down the rule that iron is the best barometer we have of the conditions of American manufacture. Other lines have been likewise affected. There was an increase of wages among the coke makers in May. There have been general advances in the New England woolen and cotton mills. The leather workers have felt some benefit in the same direction. The significant fact noted in connection with these advances is that they are almost without exception made by employers without solicitation upon the part of their employees.

Many factories that were closed during the two years of depression, have been reopened. We hear of manufacturers being behind their orders in all directions. The retail dealers have faced empty shelves so long, that they have been glad upon the return of courage, to stock up; and rising prices have stimulated them very largely in this direction. The general public make no complaint at paying a little more for their commodities, as they have learned by sad experience that idle mills and depressed conditions of trade have an unpleasant reaction upon the prosperity of all.

Perhaps the most hopeful sign of any, is that this prosperous condition of affairs is not a spasmodic boom, which is to recede and leave conditions worse than they were before. It has been forced upon the country by the needs of the people, and each forward movement has been so cautiously made, that even the most doubting felt that it was the logical outcome of affairs.

The Great Wheel Harvest.

The present season will be forever memorable in the annals of the Bicycle business. It is certainly wonderful, that at a period when every other industry was slowly recovering from a partial paralysis of nearly two years' duration, this infant industry requiring the most expensive nourishment on the part of its devotees, should have reached the stalwart proportions it succeeded in developing, and at once become the standard of a successful career, which, beating the record for progress to-day, is the admiration and envy of the manufacturing world. And yet, no one identified with the distribution of its artistic product, can imagine for one moment that this wonderful business has reached the zenith of its development. It is estimated that last year (1894) over 200,000 wheels were manufactured by the different companies engaged in their production. This year, with greatly increased facilities and improved machinery, together with a large increase in the number of producers, the product will reach in the neighborhood of 400,000 wheels.

What it will be next year, can only be guessed at, as this year's business has been dwarfed and held in check, by a positive inability to supply the unparalleled demand for wheels of every description.

New factories contemplate entering this seductive business; additions are being built to old factories, almost equal to the original plant, stocked with the most intricate and "up-to-date" machinery, which before the ides of March, 1896, will begin to make an impression on the trade, that will carry the production to a possible 700,000. This, with every foreign country with an intelligent population already knocking at our doors for a share in this distribution (even in blocks of 500 to 1000 wheels at a time, from individual buyers), will, we prophesy, even with the grand total above suggested for a year's production, leave us in November, 1896, with few, if any, wheels to carry over into 1897.

The leaders in the business are strongly entrenched with well-earned additions to capital already large enough for successful production, and they are in it *to stay*. The high grade meritorious wheels of to-day will reap the harvest, and the garnered sheaves will represent judicious advertising and honest construction.

The readers of HARDWARE have taken a lively interest in the question asked in our last preceding issue, as to the meaning of the word "crowbar," as shown by their letters elsewhere. The space occupied is not wasted. Knowledge as to the origin of names is of value to those who make use of such names.

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Why Called a "Crow-Bar"?

The inquiry contained in the last preceding issue of HARDWARE as to the origin and meaning of the word Crowbar as applied to a very useful and quite well-known implement, has called forth a number of responses, which we take pleasure in giving below. In addition to these, we may quote also from several parties who have volunteered information upon this subject. One writer believes that it is so called "because it originally had a device attached to it that resembled the beak of a crow," and quotes the old Franklin Fourth Reader as authority. Another refers to the days of Robinson Crusoe, and quotes that illustrious personage as declaring, "Oh, how I long for an iron crow!" One correspondent of the New York *Sun* gives the following explanation: "Some seventy-five years ago, before railroads had been built in New England, the stage coach was the conveyance between Hartford, Conn., and Providence, R. I. Some four and one-half miles above this city was then the Hyde Tavern, midway between the two cities, and a halt was made over night. In those days 'flip' was the drink, composed of hard cider and New England rum, and by heating a poker in the coals of the fireplace and plunging it in the liquid. The bartender was an old man, and had a pet crow who drank to excess whenever he could, and he was called the bar crow. He would also steal spoons and small things and make a hole in the ground to hide them, so finally he was called crowbar."

The above is certainly not well taken, as we find this article spoken of by Shakespeare in *Romeo and Juliet*. In Act V. we hear Friar Laurence giving an order to Friar John to "Go hence; get me an iron crow, and bring it straight unto my cell." Later when Romeo and Balthasar enter the churchyard for the purpose of opening the tomb of the Capulets, the former refers to the same instrument under another name, saying, "Give me that mattock and the wrenching-iron." Later the same article is referred to simply under the name of "crow," which is pretty good evidence that the instrument was one well-known in the days of Shakespeare.

The letters referred to are here given, and we shall be pleased to hear from anyone else who has light to throw upon the subject.

LIKE A CROW.

EDITOR HARDWARE: In answer to yours in issue of June 25th, "Why is a Crowbar called a Crowbar?" A Crowbar has a bar with a strong beak, like a Crow, is what I find in my dictionary. I am

Yours respectfully,

J. R. NUTTING.

Office Sickels, Preston & Nutting Co., Davenport, Iowa, June 27th.

LIKE A CROW'S FOOT.

EDITOR HARDWARE: I notice your inquiry "Why is a Crowbar called a Crowbar?" Webster says under the head of crow: "A bar of iron with a beak, crook or two claws used in raising heavy weight, drawing spoke, etc." I would suggest that the reason a Crowbar is called a Crowbar, is because it has a foot like a crow's foot. Crow from the Saxton, craw, etc. Yours very truly,

O. D. WRIGHT.

Oneida Community, Kenwood, N. Y., June 27th.

CROWDBAR, NOT CROWBAR.

EDITOR HARDWARE: In your issue of June 25th last, you ask: "Why called Crowbar?" Permit me to offer an explanation for the arbitrary use of the name. Somewhere back in the "fifty's" I remember reading an article in some paper, commenting on the mutilation of some words used in different trades to designate certain articles, as, for instance, 6-penny or 8-penny nails, etc., which originated from 6 pounds or 8 pounds per 100 nails. The same writer also called attention to the misuse of the term "Crowbar," which he claimed was originally called "Crowdbar," but for short drifted into the name of Crowbar, by dropping the letter "d." Respectfully yours,

A. Heitchen & Son, Anamosa, Iowa, June 27th. A. HEITCHEN.

A SHREWD "PERHAPS."

EDITOR HARDWARE: Perhaps (?) the "claw" on end of "Crowbar" may have been thought like a *crow's foot.*

Yours truly, KING HARDWARE CO.

Atlanta, Ga., June 27th.

WILL PASS FOR A "RINGER."

EDITOR HARDWARE: *Re* your article on Crowbar in current issue. This name was adopted because the action of the tool resembled the peculiar habit of the bird, crow, which is a well-known puller of things from the ground floor; also both are black, and become the brighter the more their particular faculty is exercised.

If this is the "ringer," say so in your next, and I'll tell you where I am, for I'd like to have a HARDWARE for my own. Yours truly, P. B. CHEEK.

New York, June 25th.

QUOTED FROM KNIGHT.

EDITOR HARDWARE: You will find in Knight's American Mechanical Dictionary as a definition of Crowbar: "An iron bar used as a lever; it had usually a bent end, which was frequently forked, and may have been named after its fancied resemblance to the beak of a crow." To me this seems as good a reason as any for it being called a "crow" bar. Yours, FRANK BRACELAND.

No. 3722 Filbert Street, Philadelphia, July 4th.

A GOOSEBERRY ILLUSTRATION.

EDITOR HARDWARE: Gooseberries, why? When Adam gave names to fruit, trees, berries, etc., Mother Eve bothered him with all kinds of questions, and finally as she showed him a new kind of berry, old Adam grew exasperated and simply said: "Gooseberry" (meaning or calling Eve "goose"), "can't you see it is a berry?"—Crowbar: finally she showed him a bar, and still exsperated, he answered, "Crow and find out," hence "Crowbar."

Cincinnati, Ohio. Yours, etc., MORRIS SACHS.

Allentown Hardware Works.

The Board of Directors of the Allentown Hardware Works, Allentown, Pa., in pursuance of a resolution passed at the annual meeting of the stockholders in January last, called a special meeting of the stockholders at the works on June 18th for the purpose of voting for or against a proposition to create a bonded debt of $30,000 and issue $20,000 preferred stock. The meeting was largely attended and the stockholders were well pleased with the management of the factory. The total number of votes polled was 1,021, of which 981 were for and 40 against the issue. The entire number of shares is 1,360.

H. P. Appleton, the present energetic superintendent, took charge of the works in July, 1894, and since then the company have been gradually increasing facilities, adding new lines of manufactures, taking new contracts and adding new help. Mr. Appleton, by his natural abilities and past experience, is admirably fitted for the work he has in hand. He was for twenty-six years superintendent of the Norwich Lock Mfg. Co., but resigned when they left Connecticut for the South, later going with them until they got started in the new field, but leaving them in August, 1892.

The Hardware and house-furnishing trades should avail themselves of the scheme that the Bissell Carpet Sweeper Co. will have ready very shortly, for the coming fall season. It has been the custom of this concern to issue some attractive form of offering to their trade for each season, something in the nature of a stimulant to increase sales on their line of sweepers, and it has each season had the result of further interesting the Hardware and house-furnishing trade in their line of goods.

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OFFICERS OF THE SOUTHERN ASSOCIATION.

It is with pleasure that we herewith give the portraits of the president and first and second vice-presidents of the Southern Hardware Jobbers' Association. These gentlemen were elected at the recent meeting in Louisville, and something concerning their positions in the trade and record in the past will certainly be of interest. They constitute a body of officers who are certainly qualified in every respect



PRESIDENT JOHN S. BROWN.

to increase the usefulness and extend the influence of this great association of jobbers.

John S. Brown, the president, is the sole manager of the house of George Brown, dealer in Hardware, paints, agricultural implements, etc., in Knoxville, Tenn. He has never been connected with any other house. The business was established in 1869 by George Brown, father of the president of the association, who was a distinguished lawyer with a large practice, and who never gave the house his personal attention. From 1869 to 1881 only agricultural implements were handled. John S. Brown took charge of the house in 1879 on leaving school, and has been its manager ever since. George Brown died in 1891, and since then John S. Brown and his associates have owned the entire business. Mr. Brown is a very active and energetic man, and the record of the house of which he is head is the best evidence of his business ability. He has always been a believer in Hardware associations, and was largely instrumental in forming the local Hardware association in Knoxville, out of which the Southern Hardware Jobbers' Association grew. His personal qualities are of such character as to endear him to all that know him, and his popularity in the trade is best indicated by his unamious election to the important position to which he has just been called.

J. D. Moore, the first vice-president of the association, is president of the Moore & Handley Hardware Co., dealers in wholesale Hardware, Birmingham, Ala. He is a native of Georgia, was reared on a farm and was educated at Bowdon College, Georgia. He taught school for five years and then commenced a general merchandise business at Roanoke, Ala., in partnership with W. A. Handley, where he remained from January, 1876, to January, 1882, at which time he moved to Birmingham, Ala., and opened a machinery supply house under the firm name of Moore, Moore & Handley, his brother, B. F. Moore, being at that time admitted to partnership. Moore, Moore & Handley commenced with a small capital of $1,500, and carried a stock of machinery, with a small stock of Hardware. This being the period when Birmingham began to attract the attention of the outside world its population increased rapidly, and the business grew apace with the town. The firm continued the machinery and Hardware business until 1888, when it incorporated under the name of the Moore & Handley Hardware Co. J. D. Moore was elected president, W. A. Handley vice-president and B. F. Moore secretary and treasurer. These officers have continued as first elected to manage the business. The active control of the business fell to J. D. Moore and B. F. Moore, Mr. Handley being a non resident, and his connection was mainly that of a stockholder.

J. D. Moore came to this business without any former experience of the Hardware trade, and went to work to build up the business without a proper conception of how much there was to learn that he did not know. As is usual in such cases his courage was all the more, since he was unconscious of how much he had to learn. He started as bookkeeper, general manager, buyer and salesman without experienced help from whom he might gather useful knowledge, and the result was that it became necessary to be acquainted with all the details of the business and thus forced him to learn. In 1888, when the Moore & Handley



FIRST VICE-PRESIDENT J. D. MOORE.

Hardware Co. was incorporated with a full paid up capital of $100,000 and opened business, they went into the store of Moore, Moore & Handley, which of course is the property of the stockholders, and with other real estate which they have acquired makes a good showing for six years.

The Moore & Handley Hardware Co. now occupy 52,500 square feet floor space to store their stock of goods, have six traveling salesmen, cover the States of Alabama, North-

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ern Florida, Western Georgia and Eastern Mississippi in the distribution of their stock.

Mr. Moore is a man of force and character, as his great success in a business way has well demonstrated.

Charles H. Watkins, the second vice-president, is president of the Watkins Hardware Co., importers and jobbers of Hardware at Richmond, Va. He is one of the youngest men in the Hardware business to-day as proprietor, and received his Hardware education in the old firm of Watkins,



SECOND VICE-PRESIDENT CHARLES H. WATKINS.

Cottrell & Co., with which firm he was connected some fifteen or sixteen years. This time was so admirably occupied that when he was prepared to go into business for himself he was equipped in all essential qualities for success. He inaugurated the Watkins Hardware Co. some five years ago, and its record from that time to this is the best possible guarantee of his business ability.

Bell's Wire Eave Trough Hanger.

Bell's Galvanized Wire Eave Trough Hanger, a cut and advertisement of which appear elsewhere in this issue, is said to be the first Wire Eave Trough Hanger made in this country. It was patented some ten years ago and placed upon the market and has steadily grown in favor with the trade. It is made of one piece of heavy steel wire, galvanized, and is constructed so as to form a brace to the trough and hold it in shape as well as in place. Its neatness, strength, the ease with which it can be put on the trough and fastened to the roof, as well as the low price at which it is sold, are some of the reasons for its popularity with the tinners of the United States; while the way in which they are bunched and the convenience with which they can be counted, handled and shipped have added to their popularity with the jobbing trade. They are made in nine sizes and are sold chiefly through the jobbing trade. A sample Hanger with circular and price list will be sent free upon application to the manufacturers, Jno. W. Bell & Co., Mercer, Pa.

The Naked Truth.

EDITOR HARDWARE: A postal card with this startling headline in large capital letters was recently circulated by a firm nearby, who are venders of one of the numerous brands of home-made tool steel. After extolling the virtues of the particular steel they desire to sell they proceed to coin a phrase which will be new and perhaps startling to those who buy imported tool steel. The sentence reads this way: "Mechanical Dudes who buy Imported Steel at high prices because 'It is English, you know,' should reform. It is as important to be good citizens as good mechanics, therefore be sure to buy Steel where its value will be produced by labor here and not sent to Europe, i. e., from," etc.

Mechanical Dude! Because forsooth he chooses to buy where he knows (perhaps by costly experience) he can procure a steel which will give best results. Ought a workman be called names because he does not buy this firm's goods? How cheap and thinly disguised is the motive which fixes the standard of good citizenship.

The card has a flavor of bad taste and selfishness which we rarely meet in these days of refinement and culture, and it is only paralleled by the issue several years ago of a postal card by the same parties entitled "A Solemn Fact," which was hideously grotesque. VOILA TOUT.

American Tool Chest Co.

The following announcement is of interest to the trade

Office and Salesroom, No. 200 West Houston Street,
NEW YORK, July 1, 1895.

Owing to a similarity of names of several corporations in the United States, and in order to identify the name of our company more closely to the nature of the business transacted, we have had the name changed in accordance with law, from American Tool Co., to that of

AMERICAN TOOL CHEST CO.,

under which name our corporation will hereafter be known; and with increased facilities for the manufacture of Tool Chests and the prompt filling of orders, we hope to merit a share of your business.

Yours respectfully,
AMERICAN TOOL CHEST CO.
John H. Patrick, President.

The Improvement in Oilers.

In the days of old, any kind of an oiler was considered good enough. With the demand for better bicycles has come the demand for better oilers, that would lessen the nuisance of dirty hands and greasy tool bags. The firm of Cushman & Denison have been making oilers since cycling was in its infancy and have vastly improved this article. The present "Perfect" Pocket Oiler is as far ahead of the old-time leaky oilers as the modern pneumatic safety is ahead of the old solid tired bone shaker. As oiling is the most disagreeable task of any cyclist, the "Perfect" Pocket Oiler deserves its popularity for having reduced this annoyance to a minimum.

New England Hardware Officers.

The following gentlemen were elected officers of the New England Iron & Hardware Association, at the annual stockholders' meeting, June 18th:

President: Albert M. Wiley, Frye, Phipps & Co.

Vice-President: J. K. Whipple, Fitz, Dana & Co.

Treasurer: Charles H. Breck, Joseph Breck & Sons Corporation.

Clerk: F. H. Butts, Butts & Ordway.

Directors: Leon C. Carter, Dana Hardware Co.; D. H. Bradlee, Bradlee, Hastings & Co.; H. C. Dodge, Dodge, Haley & Co.; T. H. Baldwin, Baldwin, Robbins & Co.

The Toledo Stove Co., Toledo, Ohio, are soon to erect a new factory on the site of their present structure. The new building will be five stories high and eighty by one hundred and sixty feet. It will cost $15,000.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.--III.

My first afternoon with Samson & Crown was one of interested and wondering investigation. The senior partner, whose good sense and business ability were tinged with a pleasant vein of humor, sat down with me, and talked for a half hour upon the opportunities before me, and the things that it would be to my advantage to undertake or to avoid.

"Don't learn too fast, Henry," said he, "and let us older heads manage the store for the present. There is one boy I like a little less than the one who knows nothing, and that is the one who knows it all. Keep your eyes and ears open, and ask all the questions you wish of us here in the store, but don't do any talking on the outside. Look among the goods and learn all you can concerning them, but don't think you know all about them too soon. If you are waiting upon a customer, and are not certain as to price or quality, come to one of us and find out. Be sure your figures are right before your customer goes, and count over your change a dozen times if necessary, until you know it is correct. Treat all who come in with politeness. If any one angers or aggrivates you, keep silent, and come right to me. One feature of my department is to do all the swearing and jawing-back for the whole establishment."

Turning to a slim and pleasant young man, who was my senior by some two years, Mr. Samson said: "Almon, I turn this boy over to you. Teach him the cost and selling marks and instruct him in his present duties. Help him in all possible ways, and see that he does not learn too fast. We don't want his vital energies so exhausted in the first week, that he will feel permanently tired ever after."

(I thought to myself as he spoke: "Tired! I guess not. It must be the pleasantest kind of fun to work in a place this." I was longing to get back of the counter at once.)

The store of Samson & Crown was located upan Market Street, was of brick and consisted of three stories and a basement. The firm had been in business for a number of years, and held a steady, reliable trade, many customers coming from points from ten to twenty miles away. While dry goods comprised the bulk of their stock, they also handled furs, carpets; boots and shoes, hats and caps; took orders for men's clothing to be made up; and bought butter, eggs, dried apples, feathers, paper-rags, etc. In accordance with the custom of the time and place, they marked their goods at a fair price, and then took what they could get after haggling with the customer; charged a great deal upon the books, twenty-five per cent. of which was never collected; and paid for the produce above enumerated in trade.

They enjoyed the company of three employees, counting the youth who had just arrived. The head clerk, Smith Raymond by name, was a man of middle age and uncertain temper, who looked after the finances and kept the books. His associate, Almon Nichols, was a most excellent clerk, a student of books and of people; a pure, high-minded boy, whose influence and example upon me were ever of the most helpful and beneficent kind. His kindness during the time we were together, was of a most tender character, and the memory thereof has abided in my soul with pleasant fragrance through all these years.

Almon took me in hand, and revealed the mysteries of store-keeping, as seen from various points of view, from attic to cellar. Of the dried-apple and feather department upon the top floor, he said: "You will be immediately made full manager up here. I have had that honor for two years past."

My young heart glowed at the prospect of responsibility. "Will I stay up here and buy and sell these goods?" I asked.

"No. But you will come up about once in two weeks and pack them for shipment. It will take another day each week for the eggs, and about two for the butter. The paper-rags come on the list only when the buyer comes around, which is about once each month. Is your muscle pretty good?"

A somewhat brighter prospect was revealed me down in the store proper. We spent an hour in going over the stock, and locating the departments. My Mentor made a couple of diagrams, and asked me what they meant. The first one was like this:

H	I	J	K	L	M	N	O	P	Q
1	2	3	4	5	6	7	8	9	0

"Is it a game?" I asked.

"Don't make game of everything you don't understand, my boy. That's our cost mark. Look at the tags on these dress goods. Do you see that upper line?"

I did. It was: I O.

"Each letter on the top line stands for the figure underneath. The I O means that this piece of goods cost twenty-eight cents a yard. Now this is our selling mark:

S	E	T	F	O	R	G	A	I	N
1	2	3	4	5	6	7	8	9	0

"You see this mark on the upper line of the tag: F N? That means that this piece of goods, which cost twenty-eight cents per yard, is to be sold for forty—if we can get it."

Even in the silent watches of the night, I arose and studied these price marks. They were plastered all over the barn and schoolhouse at home, as these familiar scenes returned to me in my dreams; Samson and Crown and both clerks were at my elbow at various times between bed-time and dawn, shouting them into my ears. The rest of the time I was packing eggs, dried-apples and dress goods into a great butter tub.

There were other causes for dreaming. Almon had explained the arrangements that had been made for my board and lodging.

"You will take your meals with me at Mr. Samson's," he said, "and sleep in the store for its protection. Are you afraid to stay here alone?"

I could truthfully answer that I was not.

"Here's your bed."

He led me to a long, broad table at the further end of the store. It was used during the day for the display and sale of cotton cloth, several bolts of which were ever in evidence.

"Do I sleep on these?"

He showed me a feather bed, a pillow and some blankets in a box under the table. "You pull this out, pile them on the table, and there you are. Here's your gun," he added, producing from the drawer an ancient Colt's revolver, as long as his arm. "If a burglar tries to get in, just pull the trigger, and let him have it."

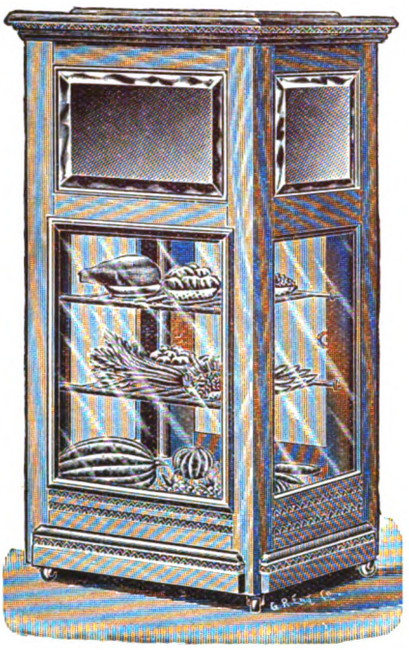
It struck me that this was thrusting considerable responsibility upon a boy from the country, at one hundred dollars per year. But I took the weapon as though shooting midnight prowlers was an incidental of the business that could not be overlooked. Thank heaven, there was never any need of carrying his instructions into effect.

The labors of this first day of exhilirating excitement ended with the filling of the coal box, the putting up of the shutters, and a half-hour's exercise with the broom. With head upon the pillow, I was able to review my experiences with some measure of coolness, and then pass into dreamland down an avenue hung with the garlands of hope and promise.

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Improvements in Refrigerators.

Competition among manufacturers is now so fierce, that their best efforts must be continually exerted to enable them to hold and extend their trade. A constant succession of new styles that are improvements in fact as well as in name is demanded by the trade. Among the many novelties recently brought forward, it is our privilege to illustrate the elegant Show Case Refrigerator shown herewith. This is made of quarter sawed oak, oil rubbed and polished. Three thicknesses of sheet glass all around, with one-inch air space between, form the insulating walls to the provision chamber. The ice chamber is surrounded with



SHOW CASE REFRIGERATOR No. 18.

bevel plate mirrors on four sides, and has eight walls for insulation, including a packing of mineral wool. The air circulation is the well-known Leonard system of refrigeration, securing absolute dryness in the provision chamber, and lowest possible temperature. The flues, ice rack and shelves are all removable for cleanliness. This style is specially useful to restaurant keepers not only for food, but also for bottled goods. Any dealer having perishable goods to exhibit, such as flowers, butter, yeast, chocolates, etc., will find this to be the article he is looking for. It is 54 inches high, 30 inches long by 24 inches deep. It is manufactured by the Grand Rapids Refrigerator Co., Grand Rapids, Mich., to whom inquiries for prices should be addressed.

Help the Export Trade.

The *Maritime Register* points out the urgent need for increasing our export trade, as "the country has come to that point where it must have more consumers for its manufactured goods." It says:

"Exhibitions of American goods should be made at important trade centres in all parts of the world. Not merely simply exhibits, but goods depots should be established where American manufactures would be on sale. The government could aid most strongly in helping to establish and support such exhibitions. Manufacturers could keep their own agents at these places, or turn over control of heir wares to some one general concern."

This suggestion is of great moment just now to American manufacturers. The necessity for increasing the sale of the products of our mills and factories in foreign markets just now cannot be too strongly emphasized. The consular service of the country should be at once strengthened and stimulated to do its very utmost to further the interests of American exporters. Our home market cannot absorb the products of our factories. If foreign markets cannot be obtained for them the mills cannot be run full time and the present rising wave of prosperity will necessarily recede or be limited.—*New York Herald.*

Increase of Wages.

The Bellaire (Ohio) Nail Co. have given their one thousand employees an increase of ten per cent.

The Pennsylvania Bolt & Nut Works Co., have increased ten per cent. since July 1st.

The Port Chester (N. Y.) Bolt & Nut Works notified their employees that beginning with July 1st their wages would be increased. During the dull times of last year the wages of the men were cut, and the new rates will be the same as in 1893, or before the cut went into effect. The works have been running day and night for the last three months in order to fill orders. Two hundred employees are affected.

The proprietors of the Germantown (Pa.) Tool Works have notified their employees of an advance of 10 per cent.

The Georgia manufacturers, who have subscribed money to erect a building for a display of Georgia manufactured products, at the Cotton States and International Exposition, will hold their second annual convention in Atlanta, during the third week in October. At this time, a suberb collection of their wares will be on exhibition, and will attract the attention of the world. The coming together of this important interest will, without doubt, generate enthusiasm and new energy in the development of the State.

The Illinois Steel Co. announce that "Chas. C. Cluff has this day been appointed general eastern agent of the Illinois Steel Co., his appointment to take effect July 1st. Mr. Cluff will look after all sales for our company in the eastern territory, and any correspondence or inquiries, with reference to price of rails, billets, blooms, slabs, plates, sheets, rods, structural material, etc., should be addressed to him at No. 46 Wall Street, New York city."

W. J. Elliot certainly enjoys his share of business in the thriving town of Canonsburg, Pa., and smilingly states that business is good and getting better. He has built a large four story warehouse to accomodate his increasing trade; has a full line of general and fancy Hardware, painters and builders' supplies, house-furnishings, agricultural implements, stoves, guns and revolvers, and the Cleveland wheel.

Gray, Fall & Co., and Dudley Bros. & Black, Nashville, Tenn., have combined their business interests, under the name of Gray & Dudley Hardware Co. The officers chosen are: President, R. M. Dudley; vice-president, J. M. Gray, Jr.; secretary, J. W. Black; treasurer, James T. Jenkins. The change occurs on July 1st.

The Consolidated Steel & Wire Co., of Chicago, which purchased the Baackes Wire Nail Works, Cleveland, contemplate making several improvements in the plant. The capacity of the barbed wire fence department will be increased. A converter and blast furnace will probably be added.

Munnell & Young, Canonsburg, Pa., carry a large and varied stock of general and fancy Hardware, guns, cutlery, household furnishings, saddlery and builders' supplies. They report business improving, and are having a run on the Rambler wheel.

Kilmer Mfg. Co., manufacturers of Arrow and Adjustable Bale Ties, etc., Newburgh, New York: "We feel free to say that we have experienced good results from our advertisement in HARDWARE, and wish you success in your undertaking."

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AMERICAN HARDWARE IN SWITZERLAND.

A report of unusual value has been published by the United States State department, under the heading of "American Hardware and Machinery in Switzerland." We have no hesitation in taking space for its reproduction here, as it is a subject in which American Hardware manufacturers and exporters have a deep and growing interest, and much of the information given applies as well to the sending of goods to other European countries. In a note of introduction, the consul-general says:

The various consulates of the United States in Switzerland are constantly supplied by American houses engaged in the Hardware and machinery trade with trade journals and circulars. No line of manufactures, perhaps, is so constantly urged upon the attention of the American consular representatives in this country as the line of Hardware and machinery; and, in response to the requests made, it is the pleasure of the consuls here to distribute the literature sent them and to furnish addresses of foreign dealers. It is very much to be doubted, however, if the results achieved by the distribution of circulars and the furnishing of addresses are at all considerable, for two reasons —(1) the journals and circulars sent are invariably in English, and (2) the Swiss people are not used to ordering from printed descriptions, but deal directly with agents able to speak French or German, or both, and supplied with samples of goods for actual inspection and examination.*

Realizing that American manufactures of Hardware and machinery have not been obtaining the best results from the methods employed by them, an effort is hereby made by the United States consular corps in Switzerland (in a report given below, prepared by Consul Kemmler, at Horgen), to furnish the information necessary to improvement in this direction. At the same time, it should not be forgotten, that information furnished, but not acted upon will result in nothing. It is no exaggeration to say, that much of the "inefficiency of the consular service" is not inefficiency, but the indifference of American manufacturers to the conditions of successful foreign trade as pointed out and emphasized in *Consular Reports*. That the American, so fruitful in invention and so enterprising in trade within the limits of his own country, should be lethargic when seeking to carry on trade abroad, is, indeed, strange. It is, however, none the less true.

IRVING B. RICHMAN, Consul-General.

St. Gall, April 29, 1895.

REPORT OF CONSUL KEMMLER.

In trying to comply with the request for a report on the direct importation into Switzerland of American machinery and Hardware, I met with some difficulties. The statistical reports of Switzerland are not as specific as could be desired; there are no importing or large wholesale houses in this place, and the dealers at Zurich, to whom I had to apply, are somewhat reserved and reluctant in giving specific information, being apprehensive lest a full knowledge of the extent of their transactions in this line of goods might invite competition and injuriously affect a trade which they have built up under great difficulties, with many sacrifices, after years of hard labor and by dint of untiring perseverance.

For all machinery and metal goods imported into this country (tin-plate, which comes from Great Britain, excepted) Germany is the main source of supply, although it is possible that some American goods, introduced by agencies in Germany, may have been credited to the latter country. The fact, however, is established that machinery and Hardware of American production is not only used in considerable quantities in Switzerland, and, partly at least, brought here by direct importation, though it is difficult to fix the true amount to which this direct trade is carried on.

According to the official statistical reports, there were imported into this country from the United States, during the year 1893, articles falling under the head of Hardware and machinery to the following amounts:

Description.	Quantity.		Declared value.
Agricultural and household machines	Quintals†	309	$8856
Milling machines	"	22	637
Wood and metal working machines	"	16	618
Sewing machines	"	154	11,889
Embroidering machines	"	1	52
Weaving machines (looms, etc.)	"	14	270
Knitting machines	"	3	220
All other machines	"	702	20,323
Two bicycles	"	.	309
Field implements (plows, harrows, horse rakes, etc.)	"	41	775
Cast-iron ware	"	281	3985
Wrought-iron ware	"	839	26,334
Cutlery	"	1	135
Copper and brass ware	"	3	214
Copper, pure or alloyed	"	1012	20,396
Firearms	"	1	482
Wooden ware:			
Rough, unpainted (tool handles, wagon makers' and carpenters' work, witaout metal attachments)	"	380	4034
Same, with metal attachments	"	9	208
Painted, polished, varnished, etc	"	3	159
Picture frames	"	4	361
Brushes, fine	"	2	309

The exportation to the United States during the same year was as follows:

Description.	Quantity.		Declared value.
Dynamos	Quintals	9	$312
Embroidering machines	"	836	14,425
Looms and other weaving machines	"	233	3898
Other machines	"	290	11,539
Milling, knitting, and other labor-saving machines, parts of, and bicycles	"	18	1210
Cast-iron goods	"	...	2
Forged-iron goods: Unfinished	"	11	2157
Polished, tinned, and enameled	"	201	44,225
Scrap and Sheet iron, iron wire, and nickel goods	"	108	15,686
Copper and brass, malleated and in unfinished goods	"	7	927
Aluminum	"	...	49
Tin and articles of tin	"	18	1087
Cutlery	"	2	847
Arms	"	1	484
Tinware, rough	"	9	531
Brushes, rough, unvarnished and unpolished	"	6	1497

Scientific instruments and apparatus were imported from the United States to the amount of 30,635 francs ($5912); orthopedic and surgical apparatus, 93,935 francs ($18,129); and electrical apparatus, 104,605 francs ($20,189). But these goods do not properly belong to the classes under consideration, and in scientific instruments, the export to the United States exceeded the import.

It is well known that, in machine building, the Swiss people have reached a high degree of perfection, and that Switzerland has supplied the United States with many expert machinists. They may lack, in some measure, the inventive genius and progressive spirit of the American, but they are good imitators and not slow to perceive and avail themselves of any chance for improvement. Machine building is one of the important industries in this part of Switzerland, and a large part of the product is exported to other countries. It is not to be wondered at, then, that a good many articles, which might otherwise be imported with profit, are now manufactured right at home. In spite of this fact, the importation of machinery into this country has almost trebled since 1885, while the exportation, although still exceeding the importation, has not materially increased. According to a late statistical report, the imports of machinery in 1893, inclusive of boilers, but exclusive of bicycles, amounted to 173,199 quintals, valued at 18,316,686 francs ($3,535,120), while 191,033 quintals, valued at 23,716,120 francs ($4,577,211) were exported. Bicycles

*As at least one means by which American dealers in machinery can establish a direct Swiss connection, I would mention the machinery agency of Paul Grandjean-De Bely. This agency is located at Le Locle, Canton, Neuchatel, and its proprietor is a man in every way responsible and reliable. He is anxious to establish American connections, to receive consignments of American goods, and to promote direct trade in American machinery.

† 1 quintal=220.4 pounds.

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were imported to the amount of 1,852,918 francs ($357,613), principally from England and Germany.

The bulk of the whole import in the line of machinery (about 7½ per cent.) came from Germany, where the construction of machines, in imitation of American patterns, is carried on to a very large extent. One firm, which had its productions on exhibition at the World's Fair in Chicago, is represented at Zurich by an agency, and advertises under the name of "German-American Machine Works." They have their traveling agents going through the country, and under the claim that their goods (wood and metal-working machines of all kinds) are equal in style and quality to the best American productions, while they are enabled to sell them at much lower figures, succeed in doing a large business. The same is the case with agricultural machines and implements, mechanics' tools and other labor-saving apparatus, which, being constructed after American patterns—if they do not actually pass as American goods—are represented as being of equal value, and are sold at prices with which American manufacturers cannot compete.

To fight competition of this kind is, of course, uphill work; yet, in spite of these disadvantages, American goods of this kind in question are much used in Switzerland, have been gaining in favor constantly, and are now, to some extent, being directly imported from the United States, while the larger part, it is true, still seems to be procured through agencies in Germany, especially Hamburg and Bremen.

Even in small retail shops, one will frequently find American axes and hatchets, cabinetmakers, carpenters, coopers, and other mechanics' tools, field and garden implements, builders' Hardware, house-furnishing goods, etc., and where the superior merits of these are once known they find a ready sale at higher prices than the old-fashioned and often clumsy articles manufactured in the country, and even higher than the improved imitations are sold at. One of the main difficulties is to get the very conservative and economical people of this country to take hold of, and try to handle, a new article, to the use of which they are not accustomed, and which they regard with suspicion, especially if the price demanded exceeds that of the article they have been in the habit of using.

Thus, for instance, we still see the wood-choppers here generally use the old-fashioned unwieldy axe, with straight rigid handle, although they might do double the work with one of the long, keen-edged American axes, with slightly curved, pliant handle. Even the tools and implements manufactured in Switzerland are not uniform, but differ in style and shape. The consequence is that the dealers have to keep in stock quite a variety of the same implements (shovels and hoes, for instance) to suit the habits and wants of their different customers. This conservatism is a drawback, which can only be overcome by patience and perseverance. At any rate, we have the satisfaction of knowing, as already stated, that the use of American tools, implements, and machinery has largely increased during the last ten years, and is still extending from year to year, thanks to the energetic efforts of a few dealers and importers of such goods, who not only introduce them in this country, but take the trouble, as far as possible, to instruct their customers in the practical use of them.

To one of those dealers,* I am especially indebted for a good part of the information upon which this report is based. This gentleman makes a specialty of the sale of American and English machinery and Hardware, has devoted himself for twenty years to the study of this line of business, has visited the United States several times, and in this way has succeeded in building up a trade, which not only extends all through Switzerland, but even to Italy and other neighboring countries.

According to his statement, the direct importations from the United States comprise builders' Hardware, mechanics' tools, hollow ware, wooden ware, house-furnishing goods, farm and garden implements, saws, saw blades and metal saw frames, nails, scales, meat cutters, etc.; also a few wood and metal-working machines which, however, on account of their high price in the face of the competition mentioned, can only be disposed of in very limited numbers. All of these goods he imports direct, and is always on the watch for, and continually experimenting with, new articles, not always with success, but occasionally at a loss to himself.

Consular Agent Williams, in answer to my inquiry about the importation and trade in American Hardware at Lucerne, reports that a firm in that city is also importing, probably on a limited scale, direct from New York, and no doubt similar firms can be found in most of the larger cities of Switzerland.

As far as agricultural machines are concerned, another dealer at Zurich, to whom I am also indebted for valuable information, has devoted himself to the introduction of that line of goods; but as he has not met with the success he deserved, he will probably prefer not to have his name mentioned. Switzerland, which is only 16,000 square miles in extent, being a hilly or rather mountainous country, the highlands mostly devoted to grazing, and a large part of the hillsides and level lands to wine and fruit culture, while the arable ground, used for grain raising, is mostly divided into small parcels, has but a limited use for agricultural machines. Even where the plow and cultivator might be used, the tillage is often done by hand, women and children assisting in working the ground as well as in gathering the harvest. Still, on larger estates, and on level ground, where the lands are not too much cut up, plows and harrows, cultivators, field rollers, drills, mowers, reapers, and threshing machines are generally in use. I have been told that within the last three years not less than five hundred mowers and reapers have been sold in the country, mostly, however, of English and German, and partly of Swiss, production.

The gentleman referred to who represented the Osborne Reaper Co., of Auburn, N. Y., although not importing direct, but through an agency at Hamburg, had made the sale of agricultural machines a specialty, and, having in connection with his commodious sale and sample rooms a large area of ground suited to the display and trial of goods, was exceptionally well fixed for this particular branch of business. Besides, he let no opportunity pass to place his goods before the public, and never failed to bring them into competition with other makes at the exhibitions and field trials, which are arranged from time to time on suitable occasions.

In a report on one of these trials, the Osborne reaper, the only machine of American production that seems to have competed, is very favorably spoken of and highly recommended, "although it is an imported machine," as the reporter ingenuously adds. The same kind of machine, at a competitive trial in June, 1891, had been awarded the first premium by the Agricultural Society of Germany.

In August, 1894, an exhibition and trial of plows and other agricultural implements took place at Burgdorf in the Canton of Berne. From the scant reports of it, it seems that the competition was confined to plows and small implements, and that, in the trial of plows, the Swiss manufactures came off victorious over all competitors. Not a foreign-made plow received even one of the smallest prizes. This is not surprising, however, in view of the fact that the Swiss artisans, working after strange patterns, understand how to adapt their productions to the special wants of their country, as a glance over the Cantonal Industrial Exposition at Zurich, which took place last summer, clearly demonstrated. Besides, the juries in such trials are naturally inclined to favor the home production whenever it can be done without too glaring injustice.

The official report on the result of this trial has never

*Mr. A. Bannwart, Kauzleistrasse 57, Zurich.

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come to my hand, but I saw from a newspaper account that the dealer at Zurich above referred to received a diploma as exhibitor. Besides mowers and reapers, this gentleman kept in stock on his spacious warerooms a variety of agricultural machines and implements, and made a fine display of his goods at the Agricultural Exposition at Zurich in the fall of last year, but I am sorry to hear that he has since met with financial reverses, compelling him to make an assignment.

Probably there are other firms in Switzerland engaged in the same branch of business, but I have not heard of them. I know, however, that there is one firm at Zurich making a specialty of American firearms, and that American manufacturers of sewing machines and typewriters have their agencies here.

Whether any stoves of American manufacture are being sold in Switzerland, I have not been able to ascertain. Baseburners built after American patterns are largely in use, but as far as I have seen them they are all manufactured in Switzerland and Germany, although they are generally called "American stoves," as is the case with a great many tools and machines used in the different trades, the forms and principles of which have been copied from American models. As a general thing, only such labor-saving machines of American production as are protected by patent in both countries find their way into the salesrooms and shops of Switzerland, and as the patent laws of this country are not very favorable to foreign inventors, and the benefit to be expected in most cases is not in proportion with the trouble and expense, but few Americans seem to avail themselves of them.

A look through the Cantonal Industrial Exposition at Zurich, which was held from June 15th until October 15th of last year, would have given American machinists a better idea of the extent to which machine building and the manufacture of improved tools and instruments is carried on, and to what perfection it has been brought in Switzerland, than anything that can be said or written about it.

With justifiable pride, though the claim may be exaggerated, a prominent paper of Zurich, in speaking of the exhibits of one of the principal tool-manufacturing firms of that city, says:

"The tools exhibited by this firm fully equal the justly celebrated American products, and the great demand and the widespread use of them is the best proof of their excellent quality."

Under these circumstances, only an expert, or one thoroughly acquainted with the trade, would be able to determine, after close examination and comparison of goods and prices, what class of article or special machines could profitably be imported. The federal exposition, which will be held at Geneva during the summer and fall of 1896, will give those interested in the matter another opportunity to look over the field and see in what particular class of goods they may be able to compete.

I am sorry that I have not been able to obtain price lists sufficient to warrant me in giving comparative figures; from what I have secured, however, I have no doubt that our American manufacturers in many lines are fully able to compete, even in price, with European manufacturers, especially if they send direct, thereby saving the commission of intermediaries. From what has been said, we know that they will find no difficulty in placing such of their goods as are in demand, or of any use here, on the market through firms already existing and experienced in the business, if they do not prefer to establish agencies of their own, which, however, could only succeed under the management of some one thoroughly acquainted not only with the language, but also with the business methods and general conditions of trade in this country. Joint agencies, with depots in the principal commercial cities, would probably best answer the purpose, as has been suggested time and again by American consuls in Switzerland.

If a manufacturer or exporter, however, prefers to introduce his goods through established firms, which is the most direct and least hazardous course, he can do so by sending an experienced representative, who ought to be perfectly at home in the trade and able to speak the French and German languages, and by judicious advertising in the leading papers of the country. The most clever and successful traveling man, if he lacks the knowledge of the languages or dialects spoken here, and is not conversant with the business methods and the wants of the people, will generally fail to accomplish anything. Besides, even if an agent has established business connections, he will have to repeat his visits at regular intervals if he wants to keep his trade. American manufacturers and exporters would do well to follow the example of the business men in Germany and Switzerland, who have their young men specially trained for service in foreign countries. Catalogues, circulars, etc., are but poor substitutes for a live, intelligent man.

The American consuls receive many circulars for distribution, and are generally willing to place them into proper hands, but they rarely lead to any substantial results, partly because they are generally printed in the English language, and partly because they fail to give the information the business men here desire. If they are to be of any benefit at all they must be printed in either German or French, contain a clear description of the goods offered, and give the lowest price of the goods delivered in Switzerland or at one of the nearest seaports on three months' time or at a reasonable discount for cash. The attempt of American dealers to force their home methods and terms upon business men in foreign countries is always likely to result in failure.

Another, and perhaps the most promising way for American manufacturers to start a trade in Switzerland, is to send such of their goods as are likely to find a sale here, or at least samples of them, to responsible firms on consignment. That is the method by which German and Swiss manufacturers have established their large trade in all parts of the world, but American business men do not generally seem inclined to adopt this course. At least, an attempt lately made in this direction by a responsible Swiss firm,* which, with the object of extending its sphere of operations, and being favorably situated for handling and displaying agricultural machines and implements, tried to get a stock of such goods from American firms on consignment, did not meet with any success. Nothing short of a ready sale, with prices at the factory, or at best at an American seaport, would satisfy the firms with which the party referred to corresponded. The probability is, that English or German firms will gladly accept an offer which American firms have rejected. Manufacturers who wish to introduce their productions into new fields ought to be willing to assume some part of the financial risk; at least, that is the way business men in this country generally look at it. Though wide-awake, they are very conservative and do not like to undertake anything without seeing their way out. Before they order, they want to be able to calculate as nearly as possible what it is going to cost them to bring a given article into their salesrooms.

My attention has been called to another matter worth mentioning. In sending goods into Switzerland, the fact that the duties are imposed by weight, and the packing is taxed with the goods, should not be lost sight of. The packing, therefore, ought to be as light as the safety of the goods will allow, every pound of packing increasing, by the amount of duty paid on it, the cost of the article it contains.

A point specially to be kept in view by American manu-

* The Kirchwasser and Handelsgesellschaft, Zug.

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facturers is that goods intended for foreign consumption should be made of the best quality, according to the tastes and requirements of the customer, as the Swiss, German, and English manufacturers are doing, who have long since learned, and are always ready, to adapt their products to the wants of their patrons in regard to style, quality, design, strength, weight, measure, and everything else, making the habits and usages of the different countries with which they have dealings a special study, and keeping themselves posted on all changes in fashion, styles, improvements, new inventions, etc.

Great care should be taken in respect to labeling, packing, and shipment. Where the foreign purchaser bears the expense of transportation, the most advantageous route ought to be selected, and the patron protected against overcharges, which often consume a large part of his profit.

The duties imposed on machinery and Hardware by the tariff laws of this country are as follows per quintal (220.4 pounds):

	Francs.*
Agricultural and other machines (reapers, mowers, threshing machines, grain drills, steam plows, meat choppers, feed cutters, fruit presses, wringers, churns, sewing, knitting, weaving and embroidering machines, wood and metal-working machines, and other labor-saving machinery and apparatus, except locomotives; dynamos, scales, finished parts of machinery, etc.,)	4.00
Plows, harrows, cultivators, clod crushers, field rollers, horse hay rakes, etc.,	6.00
Scythes and sickles,	7.00
Other field and garden implements, axes, hatchets, etc., made of wrought iron or steel,	10.00
Same, polished, tinned, varnished, etc.,	12.00
Wooden hay forks, rakes, shovels, etc.,	6.00
Same, with iron prongs, teeth, etc.; washboards, bird cages, etc.,	12.00
Hand planers, not polished; coffee and spice mills, with wooden cases, not painted or varnished; tool handles, etc.,	10.00
Same, painted, polished, varnished, carved, etc.,	30.00
Locomotives,	10.00
Rough, heavy iron castings,	.60
Cast-iron goods, hollow ware, stoves, etc., rough,	2.50
Same, with ornamentation or finer finish,	5.00
Wrought iron goods, rough, heavy (plowshares, wagon axles, anvils, etc.),	3.00
Goods made of wrought iron, malleable iron, steel, sheet iron, or wire, not finely finished,	10.00
Same, partly polished, tinned, varnished, galvanized (door locks, nails, bolts, screws, farm and garden implements, axes, etc.),	12.00
Same, finely finished, polished, painted, varnished, enameled, or bronzed (exclusive of agricultural implements)	22.00
Same, nickeled,	25.00
Cutlers' goods,	40.00
Arms of all kinds and finished parts of same,	50.00
Lead, copper, brass, nickel, and bronze goods according to finish and amount of work involved in production,	8.00 to 60.00
Farm and freight wagons, trucks and sleds,	6.00
Carriages, sleighs, etc.,	20.00

As will be seen from these figures, the Swiss tariff is not prohibitive, but may be termed a tariff for revenue, with incidental protection. While it admits raw material free, or at a nominal duty, it increases the rate in proportion with the finish and amount of work required for the completion of the article, and thus, without creating or fostering monopolies, stimulates the industries of the country and gives them a chance to compete successfully with other nations in the markets of the world.

Summing up, I can only refer back to what I have already stated, and repeat what Frank H. Mason, Esq., then United States consul at Basle, and now consul-general at Frankfort, expressed years ago when he wrote:

As a principle it may be stated that the introduction of American manufactured products into Switzerland can be accomplished only by the same means that are employed for a like purpose at home. The goods must be advertised, intelligently exhibited, submitted to purchasers for inspection and trial; in a word, the business, whatever it is, must be pushed, as Americans are accustomed to push their trade at home, and in whatever foreign countries they have obtained a footing. . . . When the same energy, persistence, and foresight which are now displayed in the manufacture of American goods are turned to the work of selling them, there will come the crisis of competition which Europe will have cause to dread. When American merchants establish permanent agencies in the new countries where Germany, France, and England are now competing for commercial advantages; when young men are sent to these agencies to learn the language and study the habits and wants of the people; when American goods are made, packed, marked, and in every way adapted to the peculiar notions and requirements of the people for whose use they are destined; and when the foreign service of the United States is placed on the secure and sustained footing that has been found most advantageous by other nations; then it will be found that the people who have created a great nation within a century, are merchants as well as manufacturers and farmers; that they know how to sell as well as create. There will then be heard far less than now of strikes and crises in American industry, and the United States will have taken the high and influential position as a commercial nation, to which it is entitled by its unequaled resources, the energy, enterprise, and progressive spirit of its people.

This is as true to-day as it was ten years ago, when it was written; but the American manufacturers and exporters, having meanwhile gained a pretty strong foothold in Switzerland, have to-day, as explained above, much more favorable ground to work upon than they had at that time. If they only improve the opportunity and employ the means suggested, they ought to be able to extend their trade with this country to a considerable extent, though the field is not a very large one, the wants of it rather limited, and the competition keen and lively.

With their intelligent, skillful labor, improved tools and machinery, inventive genius, progressive spirit, cheap raw material, and other advantages, American manufacturers ought to, and no doubt soon will, be able to compete in most branches of industry with almost any country in Europe, even against the cheaper, but somewhat slower and less effective labor of those countries.

Horgen, April 25, 1895. W. F. KEMMLER, Consul.

*1 franc=19.3 cents.

Bissell's "Grand Rapids."

Of the thirty-eight different brands of Carpet Sweepers made by the famous Bissell Carpet Sweeper Co., probably none have a more enviable reputation than their celebrated "Grand Rapids." All of the latest and best patents taken out in carpet sweepers have been used on this machine, and in consequence it has had a numerous sale. Probably 60 per cent. of the output of the Bissell Carpet Sweeper Co. consists of "Grand Rapids." It is known and recognized now as the leader in all sections of the civilized world. It is made in two styles, japan and nickel finish, listing respectively $24 and $27 per dozen.



Simon H. Arnold, Houstonville, Pa., is a new one in the Hardware line, but is enjoying a good trade. He occupies his new three-story brick building, and carries a line of house-furnishing, general Hardware, cutlery, guns, agricultural implements, in fact, a full line of everything in the Hardware line. He would like to have agency for a good wheel. Mr. Arnold is progressive, and will meet the success he deserves.

The new building of the Union Metallic Cartridge Co., Bridgeport, Conn., which was contracted to be erected by the H. Wales Lines Co., in sixty days, is completed. It was just fifty-four days since work was commenced. The job was one of the quickest on record.

The tack works in North Reading, Pa., have been leased by the Rick Bros. to Norristown parties, who will have them in full operation in a few days. The plant is equipped to manufacture tacks of all designs and sizes, but has not been running for several years.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

A New Window Spring.

George S. Colburn, West Gardner, Mass., is manufacturing a new Window Spring, illustrations of which appear here. Fig. 1 shows the spring. Fig. 2 shows the springs attached to the window frame. The manufacturers claimthat these springs

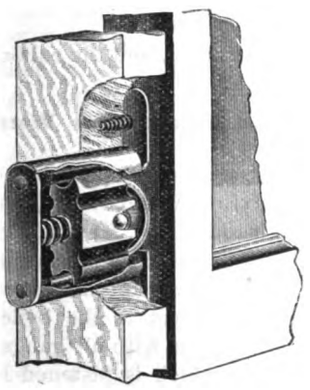


FIG. 1.

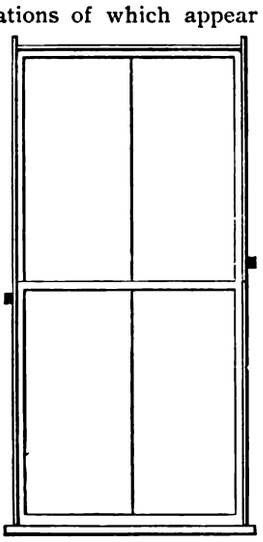
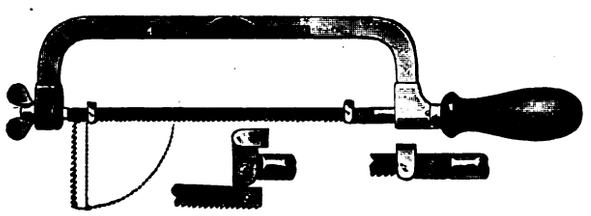


FIG. 2.

work equally as well as weights and pulleys and are less expensive. The statement is made that these springs do away with the pockets that are necessary with weights and pulleys, thus providing against the wind blowing in. The windows can also be fitted very tight so they will not rattle. Two springs are required to fit a window. They can be obtained of A. J. Wilkinson or Burdette & Williams, Boston, Mass., at $4.50 per dozen.

Acme Hack Saw Frames.

The Holt Mfg. Co., Hartford, Conn., are putting on the market the Acme Hack Saw Frames; illustration of one is herewith shown. The manufacturers state "that these frames are simple, complete and sensible;" also "that there are no pins to break and that they are most economical, as it requires less time to replace a saw than in other frames." The point is made that the frames are strong, as the saw is supported by buttons. To adjust a saw, hook



one end to the front end of the frame as shown in illustration, bring the other end up to the places on handle and drop the button. These frames are fully nickel-plated and are nicely packed one-third dozen in a box. Eight-inch, price per dozen, $9. Discount to the trade.

Walker's Quick and Easy Cork Puller.

The Erie Specialty Co., Erie, Pa., are offering their quick and easy Cork Puller in an improved form, as here shown. The extension of the mouth of the machine is designed to make a centering and gripping device to hold the bottle in line with the screw and to thus prevent all possibility of breakage of the bottle or screw by coming in contact with each other. One movement of the lever forward draws the cork and the reverse movement throws the cork off and places the lever back in position. It is explained that owing to the angle of the base only a slight pressure is re-



FIG. 1.

quired to hold the bottle in place while the cork is being drawn. In Fig. 2 is shown the crown and seal lifter attachment conveniently placed at one side of the puller, this feature being referred to as a valuable addition. The machine is finely finished in nickel, and the manufacturers state that it is strongly constructed in every part; that each

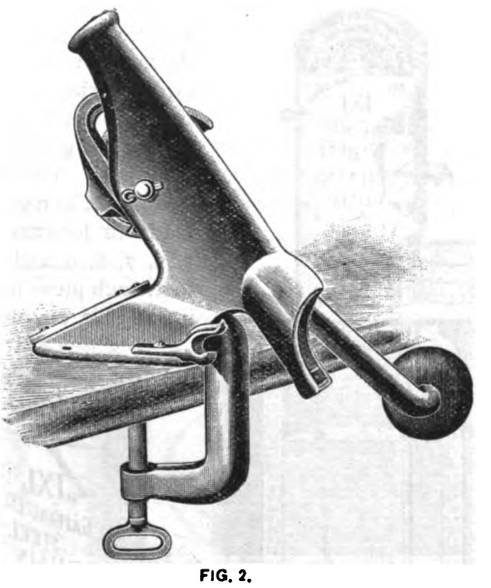


FIG. 2.

screw is subjected to a severe test, and that the nut in which the screw works is made of a superior composition, giving lasting and wearing qualities.

The "Quincy" Corn Popper.

The illustration herewith shows a new corn popper which the Quincy Hardware Mfg. Co., of Quincy, Ill., are making and offering to the trade, under the name of the "Quincy" Popper. It is explained that to shake the corn, it is only necessary to turn the crank. The corn is thus much more easily agitated, and will not burn. The handle is made of tinned wire neatly twisted, and so arranged that it cannot get loose from the basket. The handle wires project

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through the basket far enough to rest on the jamb of a stove when the lid is lifted out, as shown in illustration. By revolving the crank, the unpopped corn will remain at the lower edge nearest the fire, thereby utilizing every good



grain. The lids slide on and cannot work loose. These poppers are made in two sizes, viz.: one quart and two quart, and are packed either knocked down or put together complete.

I. X. L. Pump, Curb, Tubing and Bucket.

The illustrations here given represent the I. X. L. Patent Galvanized Steel Chain Pump, Curb, Galvanized Steel Tubing and Rubber Bucket, put on the market by O. P. Schriver & Co., Cincinnati, Ohio. Fig. 1 gives a view of the pump in working order; Fig. 2, the curb, is made of galvanized sheet steel, and this, with the tubing, Fig. 3, is put on the market to overcome the objection to wood curbs and tubing. The manufacturers further state that the curb is painted and varnished to make it durable, and that it will not warp, rot or fall to pieces. The tubing, which is made of No. 24 galvanized steel, with a reservoir at the top and a funnel at the bottom, is referred to as not making the water taste as wood tubing does, as not rusting or accumulating filth, and as anti-freezing, as the reservoir piece has a small hole in it to allow the water to run out. It is stated that the tubing may also be used on any make of wood curbs, as the stirrup on all the other curbs will fit the square reservoir box on the galvanized tubing. The reservoir tubing is made in lengths of 5, 6, 7, 8, 9 and 10 feet, each piece having a half coupling



FIG. 1.



FIG. 2.



FIG. 3.

on it to fit the other half on the funnel tubing, the latter being made in lengths of 6, 8 and 10 feet. Plain tubing is used in cisterns or wells where the depth is greater than 19 feet, then a piece of plain tubing is added between the reservoir and funnel to make the required length. The advantages of the rubber pump bucket, Fig. 4, are enumerated by the manufacturers as follows: "The bucket cannot be put in wrong; is made of first quality rubber, and is double—two wearing edges—with a corresponding increase of suction power; has a water space that allows a water packing, which is as good as rubber, without increased friction; is reversible and self-adjusting, as the pliability of the rubber allows it to adjust itself to any size tubing; a reverse motion of the crank will not injure it, and the rubber cannot be stripped from link."

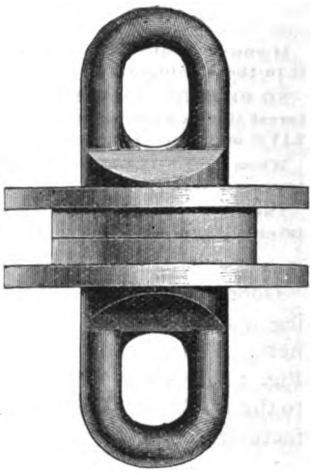
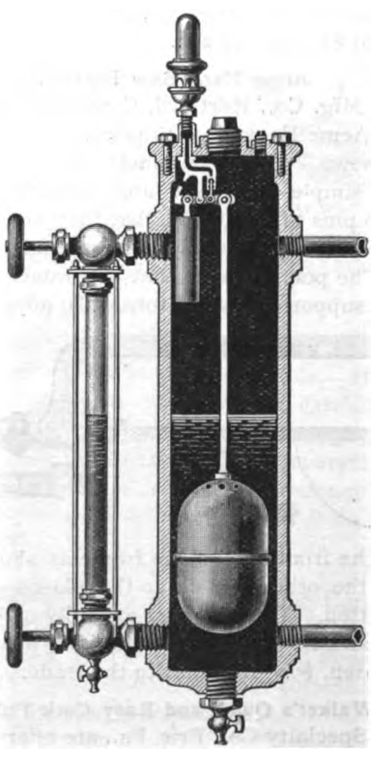


FIG. 4.

Combined Water Column and Counterbalance Low Water Alarm.

The accompanying illustration shows the Combined Water Column and Counterbalance Low Water Alarm, put on the market by the Ashley Engineering Co., Hawthorne, N. J. The principle of its operation is based upon the difference in weight of a body suspended in air and immersed in water. The alarm has two connections to the boiler common to a water column, and is shown with all gauges attached. The cover of the column, which is fastened in place by tapped bolts, is removable, and to this is attached all the mechanism of the device. Suspended from the under side of the cover is a valve working in combination with a double-ended lever, having its fulcrum between its two ends. From the ends of the lever, two cylinders are suspended, the upper and smaller one of solid iron, and the larger, hollow, with holes in its top, so that it is filled with



water. When the water stands at the desired level in the boiler and column, the solid cylinder is heavier than the larger immersed cylinder, and consequently keeps the valve closed. As the water in the column lowers, the hollow cyl

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inder filled with water overbalances the weight of the solid cylinder, when deprived of the buoyancy of the surrounding water, and opens the valve, admitting steam to the alarm whistle. The solid cylinder regains its counterbalance on the admission of water to the boiler and column, closing the valve. Its working can be tested at any time by simply opening the valve at the bottom of the column, thus lowering the water in the column and sounding the whistle. By removing the bolts in the cover, the whole of the mechanism can be lifted out for cleaning or inspection, and easily replaced without touching the boiler connections, which is important.

Automatic Lawn and Garden Rake.

The Buffalo Specialty Mfg. Co., Buffalo, N. Y., are offering the trade a new Rake, illustration of which appears here. Fig. 1 shows the rake in the position it automatically assumes when pulling on the handle in the act of raking; Fig. 2 shows the position it assumes when pushing on the handle in the act of returning for another rakeful. This rake is constructed so that the

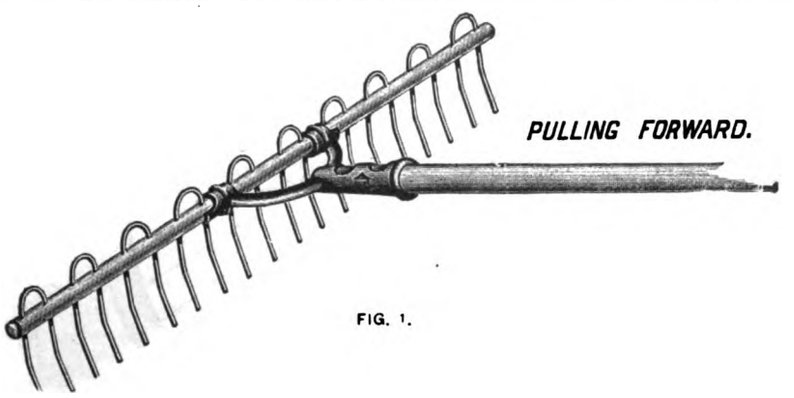


FIG. 1.

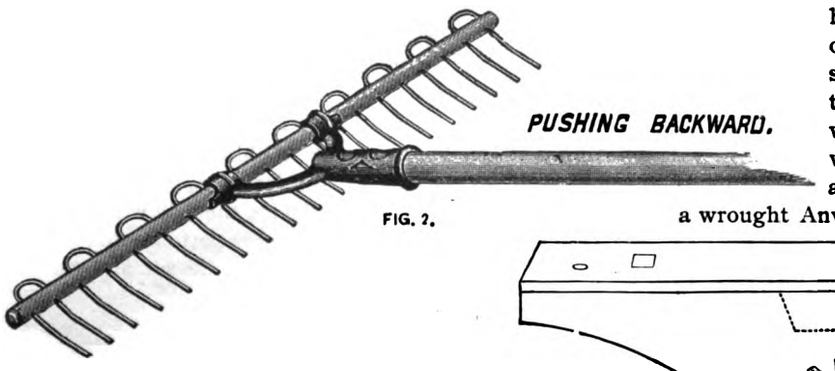


FIG. 2.

head rolls in the casting, and instantly and effectually discharges the whole load of grass, hay or leaves. It can also be used as a garden rake by dropping two nails into holes drilled for that purpose in the casting and rake. The rake is thereby converted into a rigid head rake, as the nails prevent the head from rolling in the casting.

Edward Smith & Co., No. 45 Broadway, New York, varnish makers and color grinders, may well be proud that their products play so important a part upon the *Defender*, the newly-launched vessel which is to uphold the honor of America in the coming great race. They have a note from the Herreshoffs, under date of June 13th, which says: "We shall use the Spar Coating and I. X. L. No. 2 Varnish lately ordered of you, on *Defender;* the former on the spars and such woodwork as there is to be varnished outside and the latter for inside work."

The Bissell Carpet Sweeper Co. furnish a neat oak easel on which to display samples, free of charge on orders for one-half dozen sweepers.

The Samson Anvil.

There is a new Anvil on the market, made by the Van Wagoner & Williams Hardware Co., Cleveland, Ohio, and No. 14 Warren Street, New York. The accompanying illustrations show many of the good points of the Samson

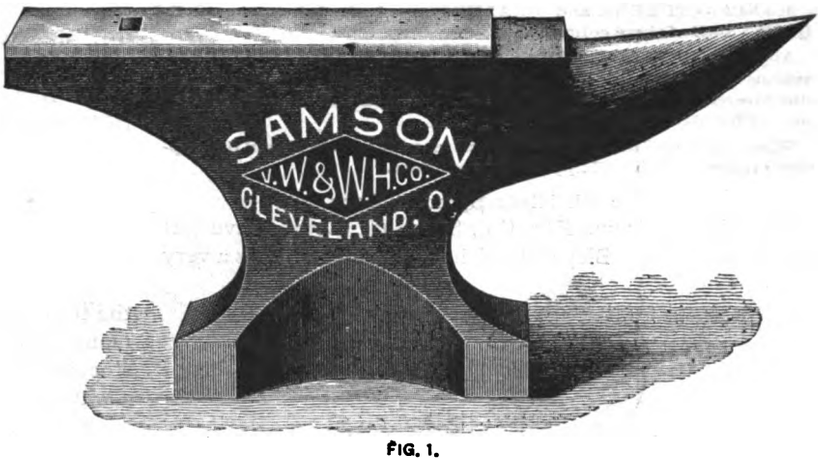


FIG. 1.

Anvil. Fig. 1 shows its general appearance, and Fig. 2 shows some of the points of construction. The base of the Anvil is of tough cast iron. The face is of three-fourth-inch crucible cast steel, so well tempered, that though hard enough in the middle to stand the severest blow, yet the edges are sufficiently soft so as not to chip. The horn has a solid point faced with tough untempered steel, hard enough so it will not bend or dent. Underneath the horn is a long, heavy shank welded to the steel facing and extending to the middle of the anvil. This is shown in Fig. 2, the dotted line B indicating the shank. It is further stated that some of the points that should recommend this Anvil to blacksmiths are as follows: The shape of the horn: It is long and pointed and of the right oval, giving plenty of clearance when a horseshoe or anything round is being worked. The trueness of the Anvil: They being prepared with a special set of grinding machinery, which insures absolute trueness. The shape and appearance of the whole Anvil resemble a wrought Anvil. The process used in welding the heavy

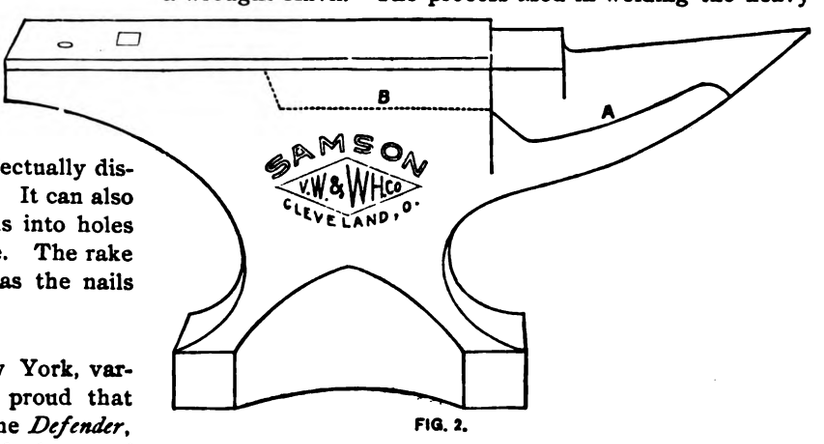


FIG. 2.

facing to the cast iron is known only to the manufacturers, and is the result of experience and careful experiments, and by this method they are able to produce a strong, handsome and shapely Anvil at a moderate price.

The Birmingham Tack Works, Birmingham, Ala., were destroyed by fire on June 24th. The loss amounted to $10,000.

The Vapor Stove Co., Lorain, Ohio, and the Moon Gas Range Co., of Columbus, Ohio, have been consolidated.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Yale Chainless Sprocket Lock.

The Yale & Towne Mfg. Co., Stamford, Conn., have put on the market the Bicycle Lock here illustrated. It is a very



convenient lock designed to fasten the chain and sprocket wheel together. This lock measures 1x1⅞ inches, is flat, neat in appearance, and is provided with two keys. The lock is small enough to carry in the vest pocket or to slip in the tool bag. Price, 50 cents.

The "Eureka" Brazer.

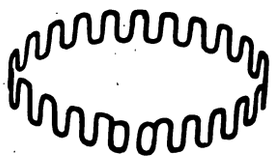
The Union Heater Supply Co., Detroit, Mich., are putting on the maket the Eureka Brazer, illustration of which is here shown. One of the advantages claimed for this Brazer is that the burners are mounted on swivel joints, thus enabling the operator to adjust them in such a manner that the flames will meet where the heat is required upon the work to suit the operator. The tank is made of heavy



galvanized iron and strong enough to stand any air pressure which is required to get good results from the flames. The air gauge is so placed that the operator can always see the amount of pressure there is on the tank, as it requires from 15 to 20 pounds to do good brazing. The pump shown in the illustration is made of seamles brass tubing 2x22 inch cylinder with metal valves and iron base.

Devore's Trousers Guard.

L. M. Devore & Co., Freeport, Ill., are offering a new bicycle Trousers Guard as shown in accompanying illustration. It is constructed of spring wire, bent in a series of folds, so as to present a surface of sufficient width to hold



the trousers and at the same time make an elastic and permanent spring. When not in use it can be slipped over the stocking above the shoe top and worn without discomfort, always being ready and in position for use. These springs are furnished japanned or coppered.

Dudley's Wheel Balancer and Repair Stand.

The accompanying illustrations represent a wheel balancer with device for gauging periphery of wheel, manufactured by the A. Dudly Mfg. Co., Menominee, Mich.,



FIG. 1.

and for whom Parkhurst & Wilkinson, Nos. 14 to 164 Kinzie Street, Chicago, are sole sales agents. The manufacturers claim for their new device the following points of excellence: "The Wheel Balancer is portable and does not need to be fastened down, and it may be set and removed

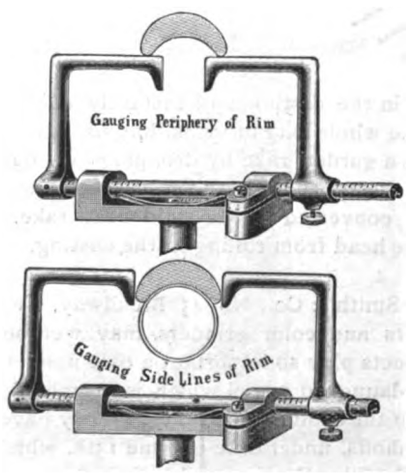


FIG. 2.

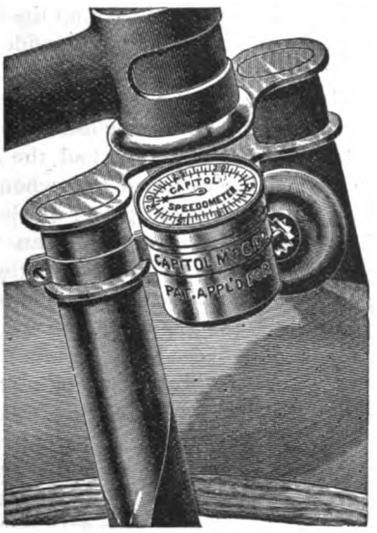
to any place desired. The Stand will balance any wheel from 24 to 30 inches diameter and can be set for any width of a wheel hub. The extension jaws of the hangers have springs, so the wheel-axle of any thickness will be held firmly in place. The balancing gauge is adjustable in every direction and will gauge the wheel-rim on its circumference and side lines, and will also gauge a wheel without remov-

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ing the tire. The gauge is made of brass and steel, nicely finished and nickel-plated," and is sold for a reasonable price. Fig. 1 shows Wheel Balancer. Fig. 2 shows the gauge.

The Capital Speedmeter.

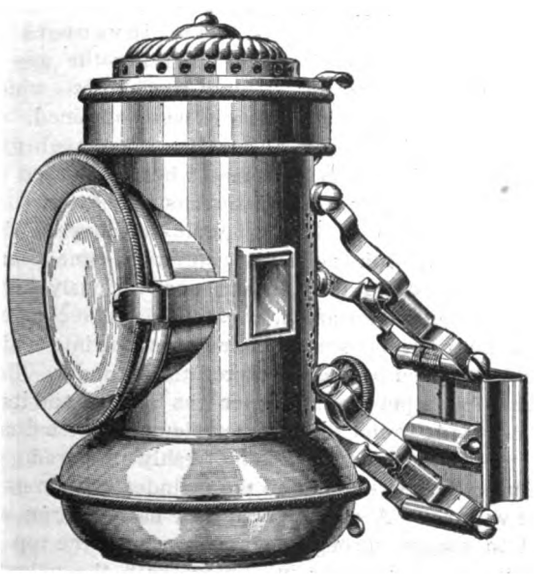
The illustration herewith gives a very fair idea of a novel little machine which the Capital Mfg. Co., of Nos. 125-137 Rees Street, Chicago, are putting on the market. As its



name indicates, its purpose is to give the rider the speed at which he is riding in miles and fractions. It fastens to the fork of the machine below the head, is therefore out of reach of mud, and can easily be read from the saddle. The contrivance is singularly simple, and weighs but three ounces. It retails at $3.50. The Capital Co. have manufactured cycle sundries since early in the game, and their guarantee of its reliability is ample. Its reliability, dust and water proofness are all guaranteed.

Cyclops Bicycle Lamp.

The Manhattan Brass Co., No. 338 East Twenty-eighth Street, New York, are putting on the market the Bicycle Lamp herewith illustrated. The lamp is made entirely of brass, nickeled and polished with a patent lock to secure it to bracket, and a bell-shaped reflector, ruby side lights and a powerful lens. The lamp is designed to burn kerosene or any good quality of illuminating oil, the reservoir



being large to enable it to burn from eight to ten hours without trimming. The top of the lamp is removable, being secured at the front with a pin and at the back with a catch. The oil reservoir is secured in a like manner and may be removed from the body of the lamp. The manufacturers state that this lamp weighs less than thirteen ounces; that it gives a splendid light and will not blow or jar out; does not become overheated, and will neither smoke nor smell.

American Screw Co.'s New List.

The American Screw Co., Providence, R. I., makes announcement of a new discount sheet, under date of July 1st:

WOOD SCREWS.

	Description.	Disc't.
Iron.	Bright Flat Head.	87½%
"	" R'd and Oval Hd.	82½&10%
"	Forged, Flat Head.	87½%
"	Drive	90%
"	Blued Flat Head (add 5 per cent. to net amount of invoice)	87½%
"	Blued, Round Head.	82½&10%
"	Felloe, Flat Head	85%
"	Pinched Head.	85%
"	Japanned, Flat Head.	75%
"	" Round Head	70%
"	Tinned, Flat Head	75%
"	" Round Head	70%
"	Lacquered, Flat Head.	65%
"	" Round Head.	60%
"	Bronzed, Flat Head	65%
"	" Round Head	60%
"	Brass Plated, Flat Head.	65%
"	" Round Head	60%
"	Copper Plated, Flat Head.	65%
"	" Round Head.	60%
"	Nickel-Plated, Flat Head, Burnished.	75%
"	Nickel-Plated, Round H'd, Burnished	72½%

	Description.	Disc't.
Iron.	Silver-Plated, Flat Head, Burnished.	50%
"	Silver-Plated, Round H'd, Burnished.	50%
Brass.	Flat Head.	87½%
"	R'd and Oval H'd,	82½&10%
"	Lacquered, Flat Head.	65%
"	" Round Head.	60%
"	Bronzed, Flat Head.	65%
"	" Round Head.	60%
"	Silver-Plated, Flat Head, Burnished.	50%
"	Silver Plated, R'd Head, Burnished.	50%
"	Nickel-Plated, Flat Head	66⅔&6%
"	Nickel-Plated, Rd. Hd.	66⅔%
Copper.	Flat Head.	65%
"	Round Head.	60%
Bronze.	Flat Head	82½&10
"	Round Head	80&10
Phosphor Bronze.	Flat Head.	60%
"	" Round Head.	55%
For Export.	American List.	87½%

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

MISCELLANEOUS GOODS.

Description.	Disc't.
Machine Screws	
Iron, Flat Head.	45%
" Round Head.	40%
" Fillister Head.	35%
Brass, Flat Head	45%
" Round Head	40%
" Fillister Head.	35%
Cap Screws, for Locks, Iron, blued,	80%
Side Knob Screws, Iron, blued	80%
Taps, for Machine Screws.	75%
Tire Bolts, Norway Phila	75%
" Eagle Philadelphia	80%
" Bay State.	70%
Sleigh Shoe Bolts.	80%
Stove Bolts, Flat Head.	70%
" Flat Head, Annealed	70%
" Round Head.	70%
" Nickel-Plated.	
Stove Rods.	70%
Sink Bolts	70%
Pointed Wires.	65%
Tapped Nuts.	50%

Description.	Disc't.
Norway Rivets.	
Ordinary, in Bulk	65%
Coopers, "	65%
Thousand, "	65%
Thousand, in Papers	65%
Block and Carriage, in Papers of 100.	65%
Hame.	65%
Belt, with Burrs.	65%
Bay State Rivets.	75%
Burrs, for Rivets.	65%
Coach Screws	85%
Hand Rail Screws.	80%
Dowel Screws.	80%
Dowel Pins, Barbed and Plain.	
Standard Penny Wire Nails.	
Base Price $1.65 keg, f.o.b. Pittsburg.	
Miscellaneous Wire Nails.	
1, 5 and 10 lb. packages	85%
25 and 50 lb. Packages and 100 lb. Kegs.	85%
Special Goods.	

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid, except on Wire Nails, on shipments of over 100 pounds, to principal cities on or east of Mississippi River, where the rates do not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

SPECIAL NOTICE.

Changes have been made in the following Lists and Tables since the issue of our 1892 Catalogue; the revisions now in force bear the dates here specified:

Page.		Date.
18	Iron Machine Screws	Aug. 1, 1894.
19	Brass Machine Screws.	Aug. 1, 1894.
34	Iron Rivets in Bulk.	Nov. 1, 1894.
35	Thousand Rivets.	Nov. 1, 1894.
36	Block and Carriage Rivets, and Burrs.	Nov. 1, 1894.
37	Hame, Coopers', and Trunk Rivets, and Belt Rivets and Burrs.	Nov. 1, 1894.

Printed Sheets, for insertion in the catalogue, will be furnished upon application.

Many teachers have undoubtedly used liquid slating that made too smooth or too rough a surface, neither of which is desirable. The Lawrence Slating avoids these faults, and produces a jet black surface that may be easily written on, that absorbs little chalk, and from which the chalk marks are easily erased. It can be applied equally well on plaster, wood, or paper. One gallon will cover 160 square feet, three coats (new wall), or 240 square feet, two coats on old boards much worn off, or 480 feet on boards slightly worn. It is put up in gallon, half-gallon, quart, pint, and half-pint cans by W. W. Lawrence & Co., Pittsburg and Buffalo.

Aluminum cofins seem to be the proper thing now. A Pittsburg firm is making them at the rate of 15,000 a year.

The Wilkinson Shear Co., of Reading, Pa., have organized with a capital of $20,000.

C. H. Sager Hardware Co., Lebanon, Ill.; incoporated with a capital of $10,000.

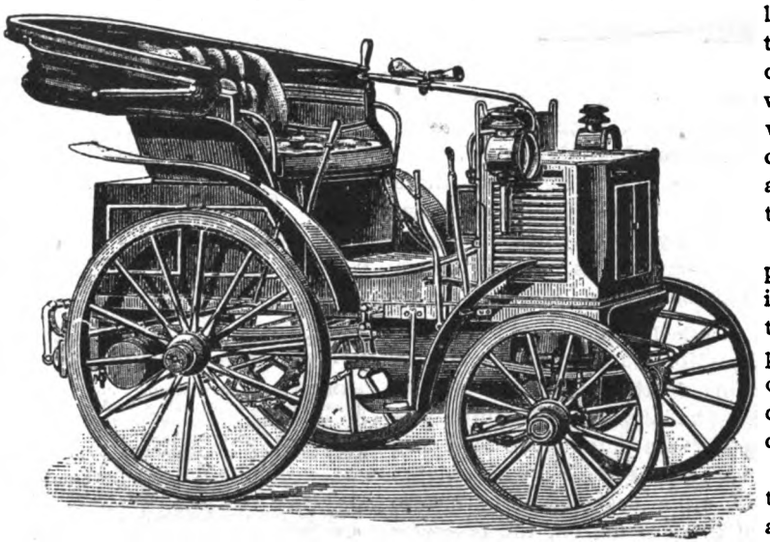
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IS IT GOOD-BYE TO THE HORSE?

The horseless age is almost upon us. The fact is heralded by the endless improvements in the modern methods of locomotion, the cable, the trolley car, gas motors, the bicycle. Whether our useful equine friend will object to such a state of affairs remains to be seen, but certainly some of the species such as we daily see, bony, lame, knee-sprung, dragging the lumbering stage, the heavy street car, or the clumsy truck, will think the Millenium Dawn is surely here. Societies for the prevention of cruelty to animals will also have to seek other fields for their energies.

It is whispered in New York that an attempt is soon to be made to operate the department store delivery wagons by gas motors. The feasibility of such a move has been demonstrated by the numerous races for horseless carriages held quite recently in France. Some of these unique vehicles maintained an average rate of over fifteen miles an hour.

Inventors of petroleum engines in this country have come to the conclusion by exhaustive experiments, that the work of an ordinary draft horse can be accomplished by a gas or petroleum engine for the trifling sum of one cent an hour. This fact will alone recommend it to our enterprising and moneymaking merchants. From the delivery wagon to the carriage and buggy is the shortest of steps, and no doubt if the system is found thoroughly practicable we will all soon be seen bowling along in our horseless vehicles up the streets and avenues. We may then look for such advertisements as this: "Wanted a first-class coachman. None but experienced gas motormen need apply."



THE PANHARD & LEVASSOR MOTOR, WINNER OF RACE IN FRANCE: 750 MILES IN 24 HOURS AND 53 MINUTES.

The good road movement inaugurated by the lovers of cycling, is but a gentle insinuation that our public highways will soon be needed for a different style of conveyance. If the system of locomotion by which the gas is generated by the use of petroleum, be universally adopted, America with her vast supply of oil wells, would at once assume a commanding position among the commercial nations of the world, as most of the oil would have to be bought here. Bell manufacturers would be in it too, as all the new conveyances would have to be provided with gongs. Instead of the old and hackneyed expression of "Hitch up the horse, John!" we will then hear the order to "fill the tank."

Electricity is, to use a common expression, still in its infancy; but enough has been accomplished with this subtle element, to show how great are its possibilities. It is generally conceded that it will eventually supersede all forces as a motive power, but just at present for general use it is a trifle too expensive, so inventors are experimenting with oil engines and gas motors.

Like all the improvements made in steam engines, from the earliest and crude inventions to the days of our swiftly running locomotives and quadruple expansion marine engines, the improvement on gas or petroleum engines has been in matters of detail more than the application of new principles. A method of utilizing the force of gas caused by explosions at regular intervals having been found, the minds of inventors and mechanics in both the old world and the new, were put to work to perfect this style of engine. A fly-wheel sufficiently heavy to take up the surplus force of gas at the moment of explosion was added. This had the desired effect of correcting the irregularity of motion heretofore existing. The piston was thus brought back by the momentem acquired by the fly-wheel to the position in the cylinder where a fresh explosion had the greatest propelling force upon it. It was found that when the work to be done was less than the normal power of the engine, too many explosions occurred, the machine ran too fast, and there was a great waste of fuel. This defect was remedied by an ingenious application of the principle of the regulation governor, by which the gas valve was not opened when the speed of the engine exceeded a certain limit. Again, the cylinder in which the explosion took place became so hot after a time that the entire engine was liable to be smashed, owing to the expansion of parts made to fit accurately. A water jacket around the cylinder and a circulating cistern in connection with it prevented this catastrophe. The heated water flowed out above while the cold water ascended, became heated, and passed into the cistern in its turn.

With many such improvements, some trivial in themselves, but all of them of the utmost importance in making the contrivance of commercial value, the gas engine came into general use.

The problem of making the gas engine as portable as the steam engine was next considered. The inventors were here met with the difficulty of carrying the gas itself. Many tanks were made of steel or copper, into which the gas was forced until high pressures were obtained, but the result was unsatisfactory. No matter how much gas was condensed, its bulk was enormous when compared with a solid, such as coal, or a liquid, such as petroleum.

Some years ago a German genius discovered that he could adopt the ordinary gas engine with some alterations as a consumer of liquid hydro-carbons, variously known as petroleum, naptha, paraffine, or gasoline. The chief change was the addition of a small heating chamber into which the liquid fuel passed before it entered the cylinder. Beneath this chamber a petroleum burner was lighted, and its metal covering made so hot that the petroleum vaporized as soon as it entered the chamber. The freshly prepared gas was then in position to explode in the cylinder as soon as it was mixed with air. A small portion of each charge was allowed to escape through an opening near the top of the cylinder, so as to come in contact with the naked light which heated the vaporizing chamber. These various steps were automatically regulated by valves which regulated the force and time of the explosions.

Thus a machine was evolved by which the necessary amount of fuel could be conveniently stored. It was next deemed necessary to diminish the size of the gas engine. This task was accomplished by shortening the stroke of

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the piston and at the same time enlarging the cross section of the cylinder. This gave a shorter connecting rod between the piston crosshead and the pin on the fly-wheel. In order to gain increased power with a shorter stroke, the speed of the engine had to be increased from 120 to 600 revolutions per minute.

The result arrived at finally was a small stunted engine eighteen inches high for two horse power.

At the races held in France during June the petroleum motor showed its superiority over the steam and electric carriages. The three winning carriages were operated by Daimler motors which are manufactured by a Parisian firm. These motors are claimed to be the lightest on the market.

These motors "run at a constant angular velocity of 700 revolutions per minute, and actuates the hind wheels through a friction gearing and a train of wheels that permits the running at four different normal speeds of about 3, 5, 7 and 10.5 miles an hour. The intermediate speeds are obtained through the sliding of a friction socket skillfully maneuvred by the driver through the aid of a pedal. The brake, which is very powerful, and of the Lemoine pattern, is controlled by a pedal. It actuates upon the intermediate axle, and this prevents the wear and the stripping off of the rubber tires with which the wheels of the carriage are often provided. In cases of urgency, or for steep slopes, the wheels are acted upon directly by means of a block brake controlled by a lever arranged upon the right side of the carriage within reach of the driver's hand. The setting of the brakes automatically ungears the motor, which continues to revolve despite the stopping of the vehicle. The noise produced by the exhaust is effectually stifled. The motor is constructed in three parts, a reservoir containing ordinary petroleum, a carburetor, and an engine with one or two cylinders. The reservoir will carry petroleum enough for a journey of nearly 200 miles. In the carburetor the air is drawn through the petroleum and passes through a sort of filter which prevents the passage of any liquid. The mixed gases are then rapidly compressed and exploded in a capsule made red hot by a flame. The motor has a four cycle motion, and works with remarkable smoothness. The cooling of the cylinders of the motor—a most important point—is assured by a circulation of air contained in a reservoir of 2440 cubic inches capacity. This water becomes heated and vaporized, especially during the summer, so it is necessary to replace it at the rate of from 420 to 600 cubic inches per hour of running. The gasoline employed in the Daimler motor has a density of from 0.7 to 0.705. The reservoir that contains it, and which is placed in front, suffices for a run of 48 miles, but more than 180 miles can be made by arranging a supplementary reservoir in the rear. The mean consumption is about 10 cubic inches to the mile, making the cost of running about three cents an hour." The speed is adjusted by means of a lever.

Experiments have recently been made by the authorities of the New York, New Haven & Hartford Railroad with electric motors, all of which proved most satisfactory. In a short time, comparatively speaking, we will see the railroad locomotives replaced by electric engines, and if King Richard III. of Shakespearian fame should pay a visit to earth, he could indeed cry aloud for "a horse!" without finding one. The course of the inventor is ever onward.

R. W. Ross & Co., Hardware, Prescott, Canada, July 3, 1895. HARDWARE Publishing Co.: Dear Sirs—Enclosed find post-office order for $1, renewing subscription to HARDWARE. We find your paper to be exceedingly good value.

The Aetna Nut Works, Southington, Conn., have increased wages seven and one-half per cent.

Yale Stylo-Chiselry.

The above is the title of a very handsome and artistic monograph just issued by the Yale & Towne Mfg. Co., Stamford, Conn., and New York. It is printed upon very heavy calendared paper, contains near forty pages, and the illustrations of this new style of work which appear therein, are of the finest character of art-printing.

The facts set forth in this publication describe an important addition to the development of art, and its application to metal-working. While based on practices now known in greater or less degree, its present perfection is due to the many and most important improvements which have followed as the result of several years of effort, and an unstinted expenditure on the part of the Yale & Towne Mfg. Co. While the interest of this company in the advancement of art and its application to the products in which they are concerned, has been too long continued and is too well-known to need assertion, they certainly must take particular pride in this latest accomplishment.

Among the articles illustrated in this work are a number of tablets, comprising ecclesiastical, military and historical. A great deal of attention is paid to general decorative work, numerous specimens of the same being presented. A history of work of this character in metal is given, and in continuation thereof we quote from the monograph as follows:

"In these pages are shown for the first time examples of a new art, and its products, both of them so new as to demand the coining of a name by which fitly to designate them. Hence, the term 'Stylo-Chiselry' has been adopted, and this in turn prefixed by the trade name 'Yale,' which latter carries with it all of its established prestige and repute, standing, as it does, for all that is best and truest in design and execution of both mechanical and artistic products.

"In this modern revival of an art which if not 'lost,' has at least long been slumbering, but which in its best phases is always beautiful, possibilities have been revealed, heretofore almost undreamed. By the use of modern methods, methods which retain all the individuality of the artist and lose none of the subtlety of the most delicate details; and furthermore, by re-enforcing the manual skill of the craftsman with all the art and appliances of the workshop of the mechanician and the laboratory of the chemist, it has now become possible to produce 'Stylo-Chiselry' at a cost within reason and usage, and at the same time of artistic value equal to that of the Taj of Agra, the mosques of Cairo, the colleges of Oxford or the aisles of Westminster.

"Possessing processes both old and new, processes the development of which has required years of labor and discovery, and which are constantly being developed by continuous expenditure of skill and money, the Yale & Towne Mfg. Co. now places before artists, architects and connoisseurs—in short, before all who admire and appreciate beauty, utility, and permanence—some of the products of this old, yet new, industry, only adding the essential fact that Yale Stylo-Chiselry, so far as expense is concerned, is available not only for temple, cathedral and palace, but also for all buildings to which it may appropriately be applied.

"The illustrations which are here given, while necessarily limited in numbers, are sufficiently varied in character to demonstrate the possibilities of Stylo-Chiselry and its practical applications. They will suffice partly to indicate its character and use, while many modifications will suggest themselves or be furnished by the makers, to meet the endless requirements which circumstances may demand and which Stylo-Chiselry can supply even beyond expectation."

The Reading Hardware Co., Reading, Pa., have recently started to run full time, on account of the increased number of orders they are receiving. Another sign of the good times.

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Yale & Towne Announcement.

The following announcement carries its own explanation:

THE YALE & TOWNE MFG. CO. Stamford, Conn.

THE BLOUNT MFG. CO. Boston, Mass.

June 27, 1895.

To the Trade: The undersigned hereby announce that they have entered into relations whereby the Yale & Towne Mfg. Co., on and after July 1, 1895, will become the sales agent of the Blount Mfg. Co., and will have the exclusive control of the Liquid Door Checks made by the latter, already so favorably known in the trade.

No change will be made in existing prices or discounts, and the present high quality of the goods will be fully maintained. On and after July 1st all correspondence and orders relating to the Blount door checks should be addressed to the Yale & Towne Mfg. Co., at any of its offices, as indicated below. Respectfully,

THE YALE & TOWNE MFG. CO.
THE BLOUNT MFG. CO.

The Yale & Towne Mfg. Co. General Offices: No. 280 Broadway, New York. Warerooms: New York, Buffalo, Chicago, Philadelphia, San Francisco, Boston.

New York Hardware Club.

The following gentlemen have been unanimously elected to the Hardware Club since our last report:

Wright D. Pownall, No. 12 Park Place.
Nath. C. Tuttle, No. 336 West 84th Street.
O. S. Cockey, No. 273 Broadway.
Wm. Schlemmer, No. 209 Bowery.
Thomas Towne, No. 136 Liberty Street.
Addison C. Rand, No. 23 Park Place.
Walter S. Ballow, Providence, R. I.
Daniel Simonds, Fitchburgh, Mass.
Wm. C. Reddy, Times Building.
Robt. Slimmon, No. 96 Church Street.
Darius G. Crosby, Times Building.
C. C. Morgan, Nassau and Beekman Streets.

The Geuder & Paeschke Mfg. Co., Milwaukee, Wis., who are well known as large manufacturers of tin-wares and sheet iron goods, have been compelled to add materially to their facilities for making Coal Hods, so as to be able to cope with the ever-increasing demand for that part of their product. They make two styles of Coal Hods, viz.: the regular hod, which is fully equal to similar goods made by others, and is offered at competing prices, and their Cream City Hod, which is made from very heavy stock, and is finding much favor with dealers, who have a demand for better class goods. They also make a very nice line of one-piece fire shovels on which they are already enjoying a very good trade.

The Yale & Towne Mfg. Co.'s work termed "Stylo-Chiselry" was the subject of much comment and praise at the convention of the United Society of Christian Endeavors, recently concluded in Boston. The work in question consisted of a bronze metal tablet 28 by 26 inches, of the pledge of the society, mounted on black marble. The tablet was given by the concern as a prize, and will in the near future be placed on the market for purchase by the various societies.

The Saltsburg Rolling Mill Co., Saltsburg, Pa., have a new board of managers, as follows: S. A. Gourly, W. F. Stitt, D. U. Remaley, S. M. Nelson and John H. Jackson. The officers are: S. A. Gourly, president; D. U. Remaley, secretary; S. M. Nelson, treasurer.

Edward H. Fall, a member of a Nashville Hardware firm, committed suicide on June 24th by shooting himself through the heart.

Review of the Markets.

Hardware: The tone of the market is decidedly firm, and business is in a satisfactory condition. Some lines still show an upward tendency. Considering that this is the dull season, dealers have cause to be thankful that this state of affairs exists. Orders are large and well assorted, and the hand-to-mouth way of ordering seems to have entirely ceased. The traveling agents are doing good work. Jobbers and retailers are buying freely, and in large quantities of the lines that are expected to advance further, hoping thereby to realize a handsome profit when prices climb.

Cutlery: The domestic trade is in a most satisfactory condition, and is holding up beyond expectations. The import business is quiet.

Nuts and Bolts: There is no change in prices, though it is expected there will be as a result of another advance in the Cleveland price of iron.

Wire Nails: Since our last report prices have been advanced as expected. The quotations are now: Carload lots, $1.55 per keg, base, f. o. b., Pittsburg; less than carload lots, $1.65 per keg, base, f. o b., Pittsburg; carload lots on dock, New York, $1.70, and small lots out of store, New York, $1.80. It has of late been the practice of jobbers to buy just what quantity of nails they absolutely needed and not one keg more, consequently when prices first advanced, stocks were in a very depleted condition. Now everybody wants nails, and the mills are kept busy to supply the demand. In addition to this fact, the manufacturers of the Association have agreed to reduce the output for July, and thus give the mills a chance to shut down, to make necessary repairs. One can readily imagine how scarce nails must be.

Cut Nails: There is not so much pressure on this branch of the nail industry, though manufacturers have all the orders they can handle with promptness. Prices are as follows: Carload lots, Pittsburg, $1.30 base; less than carload lots, Pittsburg, $1.35 base. Carload lots on dock, New York, are quoted at $1.45; small lots out of store, $1.60.

White Lead, dry or in oil; Red Lead or Litharge, in kegs: In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents.

Zinc: Quotations are 4@4½ cents, as to quality and quantity for jobbing parcels.

Putty: Prices are firm at $1.45@$2.25, as to quality and style of packing.

Linseed Oil: Prices remain the same. Raw, 59 cents per gallon; boiled, 62 cents per gallon.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake, ₩ ℔	11½
Ansonia grade Arizona	11¼
" " Casting	10¾
G. M. B	10¼@10½

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl., ₩ ℔	17c.
Over 3½ to 5 " " ₩ ℔	18c.
Square and Hexagon Rods, 1c. ₩ ℔ extra.	

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive, ₩ ℔	18c.
Over 3½ to 5 " " ₩ ℔	19c.

Antimony.

Hallett's, ₩ ℔	8
Cookson's	9

Lead.

Foreign, ₩ ℔	nominal.
Domestic	3⅜@3¾

Spelter.

Western Spelter	4@4¼
Bertha (pure)	6¾@7

Zinc.

600 ℔ cask	6½
Per ℔	7

Tin.

Straits, Pigs	15½@15¾
Straits in Bars	17

Tin-Plate.

Coke Tins:	
J B grade Coke Tin	4¾
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addl'al X add $1.00.	4¼
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.15
Do. 20x28	8.30
D. R. D. grade, 14x20	4¾
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "The Declaration of Independence seems more real and human liberty a larger idea, after each threatening ordeal has disappeared by use of the better argument. The tariff reformers, anti-greenback cranks, treasury looters, legislative bribers, free silver fanatics and labor brigands of the past fiscal year will now join in our annual National reminder that all of us are greater than

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any. Every star will twinkle at us kindly and every stripe will waft a wave of peace as we meet and celebrate our mutual love and interdependence, and revoice the people's prayer, 'God bless us, every one.' Straws.—Government official estimates State Banks, Trust Companies, etc., own more gold than there is in Treasury of United States, National Banks and Clearing Houses. The Treasury gold reserve is now above $100,000,000, thus allowing the Treasury the right again to issue gold certificates when demanded. Russia has adopted the gold standard, and is reported as having an ample supply. It is said that the cost of producing gold is less than that of silver. Birmingham, Ala., pig iron can be delivered in Glasgow at about current quotation for Scotch iron, and at one-third less price than when protection was commenced thirty odd years ago. The Interstate Commerce Commission reports 42,000 miles of railway in receivers' hands June 30, 1894. There were 779,608 railway employees, or 93,994 less than reported in 1893. Silver advanced in January and February, while the earth's products declined; in April silver declined and the earth's products advanced. We see no relative values indicated by the price list."

THE BIRMINGHAM TRADE.

The advance of a dollar a ton on pig iron and two dollars on bar iron has produced a good feeling throughout this section. This rise was followed by an increase in the wages of the miners and furnace laborers, of whom there are about 8,000. This will keep in the district about $50,000 per month, an influence that must soon be felt in a substantial way, and has already led to an increase in trade. The price of No. 1 foundry iron has advanced $2.75 per ton beyond the price May 1st, and bar iron $8 a ton over prices of that date. These advances, so far as we know, are unprecedented in so short a time, and have the effect to make some of the more conservative think that they are going too fast, and that there is danger of breaking the market; but when we reflect that the prices of to-day are no higher than in 1893 in the midst of the panic, it then does not appear so unreasonable. Undoubtedly everyone is now keeping well up with his wants in purchases, and in some cases going even beyond, and should it become common for all the buyers to order more than they need and the trade can take, then will come the real test of the strength of the market. The practice now among the nail men, barbed wire and iron men to limit purchases to immediate specifications and for a month's supply, will have the good effect to check speculation somewhat, and keep the tone of the market firm. We are anxious that the advantage now gained may be not only firmly held, but that the tide may continue to swell until it is felt in all lines, as it is now in the chief staples of commerce. This will rob the constitutional croaker of his chief argument, that the Gold Standard has brought on all the hard times and the reductions in wages. Much of the liquidation has been completed and the return of better times will help to complete the discharge of old debts and put business on a more solid basis.

The general overhauling of lists and discounts and adjusting them to the existing circumstances of to-day means that all hands desire to turn over a new leaf and start afresh in the race for success. The success of the jobber does not depend upon having the manufacturer work for nothing, but rather that the manufacturer shall prosper, that he may feel like competing for the skill and quality of his product, rather than for price only; and the country is on the best basis where all parties are making money, the manufacturer, jobber, laborer and professional man. The nail and iron men now enjoy an enviable place when they have the buyer as a supplicant, and they deal out his allowance to him and he feels that he has been favored at that. Quite different from only a few months ago when salesmen were traveling day and night in search of some buyer who would take his product; this change all brought about by a harmonious understanding and perhaps an apparent sacrifice *at the time*, which brings a rich reward. "How pleasant for brethren to dwell together in unity." Why could this not have been done long ago?

MOORE & HANDLEY HARDWARE CO.

THE DAVENPORT TRADE.

It requires much of a typewriter's time to explain to customers the reason why goods are priced higher now than on previous invoices. In the business experience of many Hardware dealers they have heard of no advances, but have seen prices steadily decline, until the idea of paying more than before is unaccountable.

Barb wire advanced to-day $5 per ton and wire nails have again advanced, and are now selling at $1.60 from store. The advance in price of staple goods referred to in previous letters is well maintained. The sellers seem to have the advantage of the buyers in all lines of Hardware, including bar iron.

The corner-stone of our new city hall was laid yesterday with suitable ceremonies. Many substantial business blocks, beautiful residences and cosy cottage homes are being built, and the demand for builders' Hardware, especially for local trade, is good. Crops continue to promise well generally, although we need rain in this vicinity.

Business is very good indeed and collections are fair.

SICKELS, PRESTON & NUTTING CO.

[The above letter was prepared for our issue of June 25, but failed of reaching us in time for publication. That which follows was prepared for the present issue. Editor HARDWARE.]

Locally we are very much in need of rain, although middle and western Iowa report a fair amount, for the benefit of growing crops, but not enough to fill the wells, springs and creeks sufficiently for convenience in watering stock, etc. There is much anxiety with regard to the drought, as the business of the last half of the year seems to hinge on the amount of moisture we may receive during the next sixty days. We have for the first half of this year ten inches less rainfall than the normal average for the past twenty years.

The trade takes rather kindly to the recent sharp advances in staple goods, and orders are coming in regularly at the new prices. Collections are slow, as the farmers are busy, and many of them desire their retail dealers to carry their accounts until after harvest.

The contract for the Davenport, Clinton & Eastern Railway is let, and we are promised that this line will be running trains between Davenport and Clinton before next Thanksgiving day. This will give us a new railway competing for business to the East and to the great Northwest. The knowing ones predict that it is ultimately to be a part of the great Northwestern Railroad system, but of this we do not know. SICKELS, PRESTON & NUTTING CO.

THE PHILADELPHIA TRADE.

July is usually a breathing time, when salesmen are called in to have books and samples overhauled. The Fourth was, of course, a general holiday, and business is naturally slack for the first three weeks in consequence. It is gratifying to report, however, that the trade this year shows quite an improvement, and the absence of salesmen from the road is less felt by the large number of mail orders. This is a most encouraging sign, and shows that dealers are not only in need of goods, but are in nowise daunted by advancing prices. The most confirmed unbeliever in higher prices is doubtless now convinced that the new conditions have come to stay, and that the extreme prices are, after a while at least, to be a matter of history. Iron has not only advanced $6 a ton, but some brands are hard to obtain even at this advanced figure, and further advances are in prospect in many lines. The advance in wire nails is sometimes alluded to as being excessive, and whether or not it is true

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that they have advanced much more than other lines, it must still be borne in mind that at least thirty cents per keg of this advance is accounted for by the rise in raw material, while it has been conceded that there is no profit in nails at the extreme figures. In other lines the advances have been notably conservative; so much so that further advances will probably follow. During the past ten days we have seen advances in planes, carriage bolts, bits, strap hinges and wringers; and several manufacturers are now working on new discount sheets, which may be expected in a few days. There is now very little fear that these advances will be extreme. Manufacturers realize that the course of wisdom is in acting conservatively, but it is absolutely necessary that prices should follow the advance in raw material, and at the same time allow a profit to all who are handling goods. Biddle Hardware Co.

THE GRAPHITE TRADE.

We have no particular boom to report, simply a steady, healthy business, which, compared with the first six months of 1894, shows a marked and satisfactory percentage of increase.

The leaders for June are Crucibles, Lubricating Graphite, Pencils and Stove Polish, in the order named.

The activity in steel and brass manufacturing has placed Crucibles at the head of the list, closely followed by a demand for Lubricants from other manufacturing interests.

All the mechanical departments are running with complete forces, and office work will deprive some of us of our usual midsummer vacations. There is still a tendency on the part of dealers to demand close figures on purchases, but at the same time quality of productions is considered, which is encouraging to the manufacturer of good goods. Payment of accounts are promptly received when due, and cause no trouble whatever.

Joseph Dixon Crucible Co.

Wright & Colton Fire.

The works of the Wright & Colton Wire Cloth Co., Worcester, Mass., were on the morning of July 3d the scene of a severe fire. The flames were on the north side, in the new addition, and originated in the blacksmith shop. The fire spread with amazing rapidity, completely gutting the building, which is 240 feet long and 60 feet wide. The fire burned only a short distance in on the old shop. The total loss is placed at $20,000 to $30,000, a good deal of the damage being caused by water. It is fully covered by insurance. The main works have been continued in operation, as the machinery was little damaged. The company say: "We are now in shape to turn out our usual amount of goods as promptly as ever. Shall immediately rebuild this building, and also put in a new brick blacksmith shop and add two stories to the main weaving building, which will give us an additional room of about 15,000 square feet."

Elsewhere will be found the card of Theodore Hiertz & Son, Montrose and Park Avenues, St. Louis, Mo. They are smelters and refiners, and furnish estimates on metal specifications of all descriptions. They are manufacturers of Nonpareil anti-friction metal, babbit metal, linotype metal, stereotype metal, electrotype metal, solder, bar tin, bar lead, cigar case seals, car seals; dealers in pig tin, pig lead, antimony, antimonial lead, copper, spelter; and buyers and smelters of ore, dross and metal. Detailed information upon any of the above points will be furnished upon application.

A ten per cent. advance in wages has been declared by Crane & Co., Chicago, manufacturers of brass goods.

Decayed teeth can now be stopped with aluminum. A process has recently been discovered.

Latest Trade Publications.

The Griswold Mfg. Co., Erie, Pa., have issued a new complete catalogue of 112 pages, bound in heavy boards, with title in silver. It is a very handy and attractive work. It contains full illustrations and descriptions, with prices, of their extensive line of goods; it is a timely publication of great use to the trade. Some special features which will attract instant attention are "Erie Spiders" (the trade mark of the company), which are plentifully scattered all over the fly leaf of the book; a blue section which is interleaved in the catalogue and contains illustrations of their full line of cast aluminum ware, most of which are entirely new goods just out for this fall's trade. In the remainder of the catalogue we find illustrations and descriptions of their regular goods, to which a number of new articles have been added. In a note of introduction the company say: "Discount sheet for this catalogue, superseding all our old catalogues and discounts, furnished on application. Stove manufacturers having voluntarily endorsed the 'Erie' Hollowware as the finest in the world, we shall endeavor to deserve a continuance of the endorsement by not only keeping up the present standard, but adding any new improvements in design and finish that will be beneficial to the ware. Every piece is examined by five different inspectors, thus insuring perfect work in each department. All goods except pots, kettles and tea kettles, packed in barrels with kiln-dried sawdust. No charges for packages or drayage."

Hall Bros. Mfg. Co., with factory at Belding, Mich., and office and salesrooms in Chicago, New York, Philadelphia and Boston, have issued a handsome little catalogue of their "Mosaic" Enameled Stove Boards. In description of these they say: "The plates used for our Enameled Stove Boards are 20 per cent. heavier than used on any other stove boards manufactured. It requires a temperature of 240 degrees to finish them, consequently the enamel is indestructible. Washing or heating will not injure the surface. The most durable, the handsomest and finest finished stove boards on the market. There will be no delay in obtaining boards of any and all sizes when ordered from our company. The season is short, and prompt shipment is necessary. Send us your specifications early and greatly oblige." Sizes and prices are given, with illustrations in colors. These are very attractive and handsome goods, and dealers who are interested should certainly see that they have a catalogue at hand for reference.

The Keuffel & Esser Co., No. 127 Fulton and No. 42 Ann Street, New York, have issued a catalogue explaining their Pilot File System, which they explain is the "ideal commercial file; binds and indexes papers at the same time; is unapproached in utility, certainty and dispatch in finding papers." The files, letter boxes, etc., and all the accompaniments thereof, are fully illustrated. The catalogue should certainly be in the hands of any one anywhere in the country who desires to add the file system to the adjuncts of the office.

The Premier Cycle Mfg. Co., Nos. 34-38 Watts Street, New York, have issued a handsome little catalogue in detailed description of their Helical Tube Premiers for 1895, listed at $100, and described as "American-made through out."

The George W. Stanley Co., Belleville, Ill., successors to the Stanley Tack Works, manufacturers of small nails, double-pointed tacks and staples, have just added to their well known line of goods a full line of Cut Tacks. They are in a position to fill orders promptly in their different lines of manufacture, and communications sent them will receive immediate attention.

Hardware costs only One Dollar a year.

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Theodore Hiertz & Son, Montrose and Park Avenues, St. Louis, are selling a large amount of their Nonpariel Anti-Friction Metal to the large Hardware houses of the country. The estimate in which it is held may be judged from the fact that they have just received from John C. Kinston, Buffalo, N. Y., a manufacturer of lasts, an order for several hundred pounds. In ordering this he speaks very highly of the metal, and says that in his opinion it "is the best in the market." The company receive a great many orders and letters of this character.

The Sutton Brass Mfg. Co., Buffalo, N. Y., have incorporated. Harry C. Green is president, and Edwin L. French, A. H. Plante, George Plante and J. U. Sutton are the directors of the company.

Outsider: "I hear Jones is a mighty useful man in your club."

Clubman: "Yes, he often helps make up a quorum."

Situations Wanted.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods. Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

SITUATION desired by a young man who has grown up in the retail Hardware business. Experienced as buyer for export or would travel or act as foreign representative for an export house. Address J. B. B., Box 192, Caldwell, N. J.

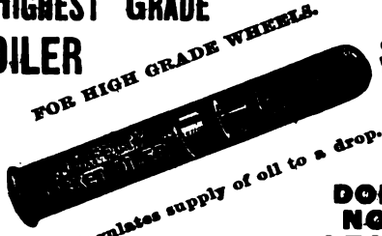
EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



Regulates supply of oil to a drop.

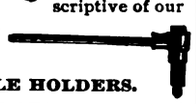
DOES NOT LEAK.

Oushman & Denison, 178 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our



FORBES PATENT DIE STOCKS.

CURTIS PATENT NIPPLE HOLDERS.

CURTIS PATENT RATCHET DRILLS.

PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden St., Bridgeport, Conn.

ALLENTOWN HARDWARE WORKS,

Manufacturers of Locks, Butts, Knobs, General Builders' Hardware, etc. Electro, Brass, Silver, Bronze and Nickel Plating, House Door Trimmings, Sash Locks, Sash Pulleys, Casters, High Grade, Light Gray Iron Castings, Soft, Smooth and Easily Drilled. Patented Articles a Specialty. Superior Quality. Estimates furnished on application from drawings and specifications. Bronze, Brass and Composition Castings. Japanning, Metal Art Work, Common Iron Castings made to order at short notice. Give us a trial. Also manufacturers of

REFRIGERATOR LOCKS AND TRIMMINGS,

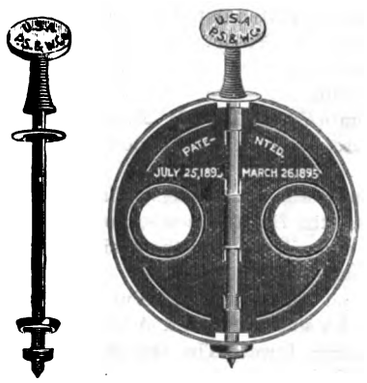
Of new, beautiful design, finish and of the latest pattern.

Factories and P. O. address,

ALLENTOWN, PA.

We are Agents FOR NUMYR NOZZLES, the most novel, unique and serviceable. Do not clog and can be varied from a solid stream to a fine spray. Sell at sight. Try them.

U. S. A. STOVE PIPE DAMPER.



Absolutely safe. Indestructible. Wrought Iron and Steel. No breakage, no loss. SOLID STEEL SHAFT, sharp pointed, passing through solid wood handle. Always cool. Easily inserted. Corrugated and will not warp. The cheapest and the best. YOU CANNOT BE UP WITH THE TIMES if you do not have the U. S. A. Damper. For sale by all DEALERS EVERYWHERE.

THE PECK, STOW & WILCOX CO.,

NEW YORK and SOUTHINGTON, CONN.

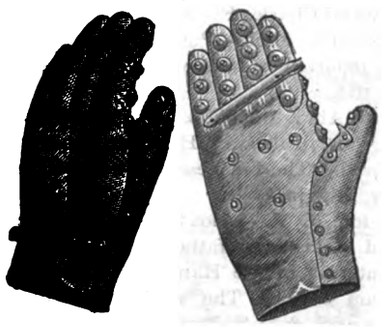
Manufacturers of

Tinsmiths' Tools and Machines.

BLAIR HUSKING GLOVE CO.,

BUCYRUS, OHIO.

Largest Manufacturers of



HUSKING GOODS.

COMPETITION NOT IN IT.

Our Goods for Sale by all the Largest Wholesale Houses.



Guaranteed

Best Anti-Friction Metal for all machinery bearings. For high speed and heavy crushing weight it has no equal. It is used on bearings where no other metal will stand.

THEO. HIERTZ & SON, Sole Manufacturers, Montrose and Park Ave., St. Louis, Mo.

Manufacturers of all grades Babbitt Metals, Solder, Bar Tin, Bar Lead, Lead Car Seals, etc.

TIME WILL TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under like rock salt.

Truss Bottomed FLAX FIBER Pails

Overcome all objections. They are not clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They are strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the truss bottom holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him free, express charges unpaid, a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Arvilla, N. D.—Carnol & Stevens.
Bay City, Mich.—Frank Schram.
Chapin, Mich.—P. W. Holland.
Lenoir City, Tenn.—J. E. Delay.
Marlboro, Mass.—Chas. A. Estabrook.
Mt. Sterling, Iowa.—F. D. Carr & Co.
Norwalk, Ohio.—Butt & Peck.
Oil City, Pa.—Snyder Bros.

Record of Changes.

Afton, Iowa.—J. H. Huntzinger, Hardware, reported succeeded by George M. Violet.

Alden, Mich.—Frederick Meyers, Hardware, reported succeeded by Meyers & Flannelly.

Ann Arbor, Mich.—Frederick Schmid has entered into partnership with Andrew Muehlig in the Hardware business. The name of the firm will be Muehlig & Schmid.

Arkansaw, Wis.—Stolls & Rounds, Hardware, reported succeeded by K. H. Kounds.

Atlanta, N. Y.—Chris. Moose has purceased the C. A. Avey stock of Hardware and taken possession.

Austin, Tex.—A. L. Teagarden, Hardware, stoves, etc., J. M. Shumate purchased interest. The new firm will be known as Teagarden & Shumate.

Baraboo, Wis.—Lee & Pratt, Hardware, reported now Lee, Pratt & English.

Beaver, Pa.—A partnership has been formed between J. K. Simpson, the Hardware dealer, successor to George Q. Wolf and G. C. McJunkin, the grocer, both engaged in business on Third Street.

Bellefonte, Pa.—The Hardware firm of H. A. McKee & Bro. has been dissolved by mutual consent, James D. McKee retiring. In the future the business will be conducted by H. A. McKee.

Byron, Mich.—M. D. Comstock, Hardware, reported sold to E. N. Kohler.

Camden, Ind.—David Wise, Jr., Hardware, reported succeeded by Sturgeon & Paden.

Clinton, Ark.—S. W. Simpson & Son, Hardware, succeeded by C. E. Simpson.

Cochranton, Pa.—D. Barringer and J. Spear have purchased the Jno. Rynd Hardware store, and are now invoicing.

Derry Station, Pa.—Humphreys Bros., Hardware, reported sold to P. F. Brown.

Dexter, Me.—W. S. Twombley, Hardware and stoves, reported sold to James Mountain.

Elgin, Neb.—W. J. Lehr, Hardware, reported succeeded by Grant & Blazer.

Fillmore, Mo.—Wilkerson Bros., Hardware, etc., Albert Wilkerson reported succeeding.

Gilmer, Tex.—Barnwell & Cooley, Hardware, stock purchased by W. M. Wood, who will continue the business.

Goodhue, Minn.—C. & E. Parkins, Hardware, reported dissolved.

Grand Forks, N. D.—Luke & Barnes, Hardware, reported succeeded by D. W. Luke.

Haskins, Ohio.—James Johnston, Hardware, reported sold to J. M. Cunning.

Holly Springs, Ark.—Henry & Patterson, Hardware, dissolved partnership; business will be continued by W. H. Henry.

Keswick, Iowa.—J. J. Morgan, Hardware, reported sold out.

Lake Charles, La.—Woodman & Beardsley, Hardware, succeeded by the Laxley-Martin Hardware Co.

Lebanon, Ill.—The Hardware and agricultural implement business of the late C. H. Sager will be continued as an incorporation known as the C. H. Sager Hardware Co., with a capital stock of $10,000. The incorporators are Charles E. Sager, Edgar G. Sager, and James R. Sager.

Lebanon, Ore.—F. L. Carman & Co., Hardware, reported out of business.

Madison, N. Y.—F. T. Davis & Co., Hardware, reported as having dissolved partnership.

McComb City, Miss.—B. A. Heidenrich, Hardware, succeeded by Heidenrich & Carroll.

Milton, Iowa.—A. T. Nelson has recently purchased the Hardware stock of Clarence Walker and will continue the business at the same place.

Moravia, N. Y.—M. C. Pulver, Hardware, stock sold to Small & Adams.

Muscatine, Iowa.—The Hardware firm of Jacob Fisch & Sons has dissolved, the junior member, George Fisch, retiring, and hereafter the business will be conducted at the old stand, under the old firm name by Henry and Charles Fisch.

Nashville, Mich.—Putnam Bros., Hardware, reported to have succeeded Ingerson & Brattin.

North Abington, Mass.—The firm of Clark & Higgins, dealers in Hardware, has been dissolved. The business will be continued by Mr. Higgins.

Oneida, N. Y.—Delos S. Dunbar has purchased of his grandfather, Seth Dunbar, a half interest in the Hardware business on Madison Street. The new firm will be known as S. & D. S. Dunbar.

Poland, N. Y.—Lankton & Seavey, Hardware, etc., reported succeeded by C. J. Seavey.

Santa Rosa, Cal.—Walter C. Good has bought out the Hardware stock of E. D. Harris & Co., and intends to carry on the business at the old stand.

Sherburne, Minn.—Warner & Keil, Hardware, reported succeeded by Geo. F. Keil.

St. Louis, Mo.—The Heckel Hardware Co., Twelfth & Locust Streets, sold to Jesse T. Baker.

Stoughton, Mass.—William Maltby has purchased an interest in the Hardware and plumbing business of A. H. Linton.

Thompson, N. D.—Cameron & Smith, Hardware, reported succeeded by W. F. Smith.

Warrenton, Va.—Hutton & Payne, Hardware, etc., on Culpepper Street, have purchased the stock of B. W. Payne & Bro.

Waterloo, Iowa.—Duke & Rohenkohl, Hardware, reported suceeeded by Rohenkohl & Newton.

West Somerville, Mass.—The Hardware business on Massachusetts Avenue, which has been under the management of Merrill & Barnes, will hereafter be conducted by G. W. Barnes, of Clarendon Avenue, Mr. Merrill retiring from the business.

Improvements and Removals.

Biddeford, Me.—Carlos Heard has begun to break ground for his brick Hardware store on Main Street opposite his present store.

Helena, Ark.—W. A. Tappan is erecting a new Hardware store.

Melbourne, Fla.—F. H. Fee is busy putting shelving in his new Hardware building.

Owensboro, Ky.—B. F. Bowman, Hardware, will remove to Lebanon, Ky.

Princeton, Ill.—Andrew Smith is erecting building at Bureau Junction, that will be used by himself and brother William as a Hardware store.

South McAlester, Ind. Ter.—G. W. Ware has commenced a building for his Hardware store. He expects to open up in about six weeks.

Stephenson, Mich.—W. B. Winters is about to build an addition to his Hardware store.

Business Embarrassments.

Kingston, Mo.—John E. Glenn, Hardware dealer, has assigned. Liabilities, $1500; assets, $800.

Winston, N. C.—Overman & Merriman, Hardware dealers, have assigned. Assets, $6000; liabilities, $3000.

Burglaries in Hardware Stores.

Boston, Mass.—Chas. N. Bacon, $25.
Clinton, Iowa.—Henry Nootbar, $500.
Creston, Iowa.—J. H. Patt, $500.
Frenchtown, N. J.—Geo. W. Eddy & Sons, $100.
Lake Mills, Wis.—E. E. Hubbard, $75.
Meriden, Conn.—John A. Thomas, revolvers.
Turner, Ill.—William Boynton, revolvers.
Unionville, Conn.—Valentine Weidig, $20.

Fires in Hardware Stores.

Albert Lea, Minn.—Knutson & Lauer's Hardware store has been destroyed by fire; partially insured.

Geneva, Ind.—W. Brigg's Hardware store has been destroyed by the fire which visited the business section of the town recently.

Henderson, Tex.—Rankin Bros., Hardware and furniture, reported as having been damaged by fire.

Knoxville, Tenn.—S. B. Luttrell & Co., wholesale and retail Hardware, damaged by fire. The loss estimated at about sixty per cent. of the value of the stock, and covered by insurance amounting to $34,500.

Lafayette, Ore.—H. Boivin, Hardware, etc., reported damaged by fire; insured.

New York, N. Y.—M. A. McCormack, Hardware, No. 2157 Third Avenue, slightly damaged by fire.

Odell, Neb.—George Shadle's Hardware store destroyed by the fire which visited the town.

Sherman, Mich.—B. H. Rose, Hardware store damaged by fire.

Waddy, Ky.—H. F. Nash's Hardware store has been destroyed by fire.

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YOU CAN ALWAYS TELL

which bicycle is the most popular, most satisfactory, most pleasing to the fastidious eye, and the keenest competitor, by what its business competitors say about it. The dealer

WHO IS HURT BY

such competition as our customers are able to put with our line of **New Clippers**, generally tells you that **Clippers** are "no good," they "run hard," are "ice wagons," etc., etc. We have been

NOTICING WHO HOLLERS

lately; its those who can't find a better line to compete with those "ice wagons"; they hurt because they stand up and give satisfaction If you want a Bicycle Built for Business, just **try a New Clipper** before you buy. We'll be willing to submit to your unprejudiced judgment.

Bicycles Built for Business.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. **NEW YORK.**

SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

CYCLOMETERS.

AMERICAN INDICATOR CO.,
LAWRENCE, MASS.

No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.

Descriptive circulars on request.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.

INDISPENSABLE TO WHEELMEN.

Prices: for No. 1½, 75 cts.; No. 1, $1; No. 48, $1.25; No. 4d, $1.50, etc.

Send for Catalogue.

C H. LAMSON, Portland, Me

Making Money

Selling bicycles depends upon the repairs.
The ***less repairs,*** the ***more profit*** to the hardware dealer.

The Sterling

(Built like a watch.)

is the ***only*** wheel that never needs repairs.

Send for Catalogue.

STERLING CYCLE WORKS,
236-240 Carroll Ave.,
CHICAGO.

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.



WOODBURY'S

Automatic Dry Chain Lubricator and Duster for Bicycles

—HAS NO EQUAL.—

Weight, ½ oz. Price, 25 cents.

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 POUNDS



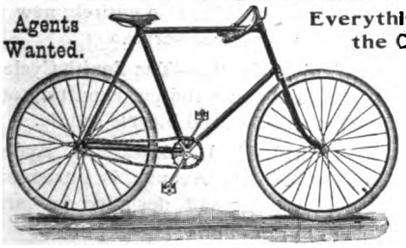
CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfr., 225 G St., Peoria, Ill.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are . . .

$75.00
$60.00
$50.00
$40.00

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.

Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Albion, Mich.—Roy Wiley is reported to be organizing a company for the purpose of manufacturing bicycles.

Binghamton, N. Y.—The Binghamton Bicycle Co. has been incorporated by Edwin L. Rose, John L. Ballard and Horatio L. Filebrown, of Binghamton. Capital stock $10,000.

Brockfield, Mass.—The Cole & Gerald Mfg. Co. reported as having added a lot of new machinery for bicycle work, including turret lathes and improved drills.

Chicago, Ill.—King B. Cycle Co. has been incorporated by Harry Berker, C. C. Stillwell and C. C. Bowersock to manufacture bicycles. Capital stock $2,000.

Chicago, Ill.—The Pond-Cottle Co., incorporated by Alexander W. Pond, Kimball H. Cottle and Henry A. Foster to manufacture bicycles. Capital stock $25,000.

Kokomo, Ind.—Steps are being taken looking to the organization of a company to manufacture bicycles.

Minneapolis, Minn. — Minneaplis Cycle Co., incorporated.

Omaha, Neb.—M. C. Doxon, bicycle manufacturer, is preparing to commence the manufacture of a high grade wheel, known as Doxon Specialist, and will turn out the first lot by the first of July.

Omaha, Neb.—Max Meyer is reported to be contemplating going into the manufacture of bicycles.

Richmond, Ind.—Richmond Bicycle Co., incorporated by M. H. Dill, George Schurman, Henry Schurman, Oliver Gaar, D. C. Reid, R. A. Jackson, L. G. Hill, W. R. Schurman, Fred. M. Curtiss. Capital stock $60,000. The company will lease a factory building of the Anderson Lawn Mower Co. and will commence manufacturing by August 1, turning out thirty wheels daily and employing seventy-five hands.

Sterling, Ill.—Edgar Galt will open a new bicycle store and make a specialty of the rental business.

Washington, D. C.—The Gendron Iron Wheel Co., of Toledo, Ohio, have opened a branch at No. 912 Pennsylvania Avenue for the sale of the Gendron bicycles, with R. B. Bond as resident manager.

Changes and Removals.

Anderson, Ind.—Strom & Craner, bicycles, partnership dissolved, J. P. Strom succeeding, and will enlarge the business. Mr. Craner withdraws to return to New Jersey, his former home.

Atlanta, Tex.—J. D. Johnson & Bros., Hardware, bicycles, etc., have been succeeded by J. B. Johnson.

Beaver Falls, Pa.—The Eclipse Bicycle Co., at stockholders meeting held June 21, decided to remove its bicycle plant from its present location, because the building now occupied is not sufficiently large to manufacture the number of wheels estimated to be necessary to supply the 1896 demands.

Dallas, Tex.—E. A. Worden, sporting goods, etc., has been succeeded by Allen & Glenn.

Dayton, Ohio.—A. W. Gump, bicycle jobber, reported to have joined business interests with Gormully & Jeffrey, manufacturers of the Rambler, at Chicago. A factory will be located at Shelby, Ind., and a medium grade wheel will be manufactured. It is stated that this departure will in no way affect the Gump jobbing interests at Dayton.

Delavan, Wis.—Parrish & Crane, bicycles, etc., reported as having been succeeded by F. A. Parrish.

Elkhart, Ind.—The Elkhart Cycling Co. sold plant to the Acme Cycle Co., newly incorporated, and the same will be greatly enlarged.

Indianapolis, Ind.—F. A. DeVore & Co., bicycles, have been succeeded by DeVore & Zinn.

Jamestown, N. Y.—Cyclone Combination Cycle Co., New York office at No. 309 Broadway, composed of Russell J. Straight, of Bradford, Pa., and Daniel H. Dorsett, of Jamestown, N. Y., has dissolved copartnership, D. H. Dorsett signing on liquidation. The company has been succeeded by the Combination Cycle Co., incorporated, the officers of which are Russell J. Straight, president; L. H. Dorsett, vice-president; William H. Bentley, treasurer and manager. Capital stock $50,000.

Los Angeles, Cal.—Allen & Patterson, bicycles, reported to have been succeeded by C. E. Patterson.

McMinnville, Ore.—A. A. Unrah, bicycles, reported as having been succeeded by F. A. Anstine.

Milwaukee, Wis.—A. B. Meisselbach, of Columbus, Ohio, manufacturer of bicycles, reported to have commenced negotiations looking to the establishment of a bicycle factory in Milwaukee.

New York, N. Y.—A. K. Hood, Hardware, bicycles, etc., reported sold out to J. Davidson, Mr. Hood removing to Portland, Me.

New York, N. Y.—J. C. Merwin has withdrawn from the house of Hulbert Bros. & Co. to give his entire time and attention to the sporting goods business, having stores already in operation at No. 1190 Fulton Street, Brooklyn, and Flushing, L. I., both of which establishments are conducted under the name of J. C. Merwin & Co., the company being F. C. Jennings, Charlestown, Vt.

Rochester, N. Y.—Fiero & Morley, bicycles, reported as having dissolved partnership — business continued by Oliver Fiero.

San Bernardino, Cal.—P. M. Peacock, bicycles, reported sold out to F. E. Allen.

San Diego, Cal.—San Diego Cycle Co. has been succeeded by George Chambers.

Waukesha Wis.—Lau & Ferguson, bicycles, reported sold out to S. J. Seabury.

New Goods and Improvements.

Brazil, Ind.—Decker & Son will erect a large bicycle factory, employing a large number of operatives.

Buffalo, N. Y.—The Queen City Bicycle Co., P. W. Pelham, president, will erect a two-story brick factory building at Idlewylde, formerly known as Gatling, and owned by the Industrial Land Co. The new factory will be 110x48 feet and will employ 200 men.

Chicago, Ill.—The Monarch Cycle Co. has awarded contract for its contemplated factory building, corner of Halstead and Fulton Streets. The building is to cost $80,000 and is to be completed by September 1st. Five hundred hands are at present employed and when the new plant is completed this force will be increased to 1,000.

Indianapolis, Ind.—The Belle Bicycle Co. are reported to have decided to commence the erection of a large addition to their bicycle factory.

Lafayette, Ind.—The Lindsay Bicycle Mfg. Co., recently incorporated to manufacture a newly patented two-speed bicycle, has contracted with the Lodge & Davis Machine Tool Co., at Cincinnati, Ohio, for an entire bicycle manufacturing equipment.

Marion, Ind.—The Halliday Temple Co., bicycle manufacturers, have recently enlarged their plant, but are reported as refusing orders, being unable to fill them.

Milwaukee, Wis.—C. J. Smith & Co. are preparing to erect a bicycle factory corner of Park and Church Streets, to cost $24,000.

Milwaukee, Wis.—J. Andrae & Sons, bicycle manufacturers, reported to be negotiating for larger factory building and contemplate extensive changes during the months of August and September.

New York, N. Y.—Horace F. Ayers, No. 114 Fifth Avenue, will build a bicycle academy corner Broadway, near the Park.

New York, N. Y.—The Anglo-American Cycle Fittings Co., at Nos. 105-107 Chambers Street, are introducing the Aurora bicycle lamp.

New York, N. Y.—The Light Cycle Co. have a large force of men working on their new building, which they hope to have completed in time for use for this year's trade.

Owensboro, Ky.—Southern Iron Works will erect additional buildings and will go into the manufacture of bicycles on an extensive scale.

Paducah, Ky.—The Paducah Cycle Works moved into new building on North Fifth Street and has added an entirely new stock of bicycles and accessories.

Philadelphia, Pa.—The Zenith Cycle Saddle Co., Disston Building, is putting on the market an improved bicycle saddle.

Plainfield, N. J.—Edward B. Ryder, at No. 306 Central Avenue, is introducing a new bicycle flagstaff, designed for carrying a flag in club colors.

Rochester, N. Y.—The Rich & Sager Bicycle Saddle Co. are having erected for their occupancy a new six-story factory building, to cost $100,000.

Recent Fires.

Davenport, Iowa.—The Davenport Bicycle Depot, at No. 221 West Third Street, damaged by fire to the extent of $200.

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My dear, dear Lord,
The purest treasure mortal times afford
Is spotless reputation---That away
And wheels may be painted iron or gilded clay;
An honest cycle that has stood the test,
Is the famous one with the Humber crest·
In quality is its fame; both grow in one;
Take quality from it and its fame is gone.

HUMBERS have been the favorite Bicycles of two generations of riders. They are still the - - STANDARD.

Humber & Co., America, Ltd.,
No. 318 Broadway,
New York.

Importers and Traders' National Bank.

The following is the statement of the Importers and Traders' National Bank of New York, under date of July 1st, 1895:

RESOURCES.

Discounts		$10,932,897 58
U. S. 4 per cent. Bonds at par		50,000 00
Real Estate		200,000 00
Demand Loans	$3,812,470 95	
Due from Banks	1,103,277 54	
Checks and Bills of other Banks	1,198,886 14	
Specie and United States Notes	5,817,774 00	
		11,932,408 63
		$32,115,306 21

LIABILITIES.

Capital	$1,500,000 00	
Surplus	5,000,000 00	
Total Capital (Including Surplus)		$6,500,000 00
Undivided profits after paying Dividend July 1st, 1895		443,445 20
Circulation		45,000 00
Deposits		25,126,861 01
		$32,115,306 21

This Bank will be pleased to receive accounts.

E. H. PERKINS, Jr., President.
E. TOWNSEND, Cashier.

Brock's Chain Pipe Wrench.

Curtis & Curtis, Bridgeport, Conn., manufacturers of the Forbes' Patent Die Stock, etc., are makers of Brock's Patent Chain Pipe Wrench, which is drop forged from bar steel, and in which no castings are used. They are made in seven sizes, adapted for pipes from one-eighth to twelve inches in diameter. In description of them the company say: "They combine lightness, strength and durability. The duplicate drop-forged reversible jaws are hardened to a saw temper, and may be readily sharpened by filing. When the teeth become dull the jaws may be reversed, making it practically a new tool. All parts are interchangeable and duplicates can always be obtained. The pressure of the teeth is in a line tangent to the circumference of the pipe, which combined with the encircling grip of the chain absolutely prevents crushing. They have a quick grip and never slip. Chain will not unhitch in use, but can be instantly released. They are especially adapted for use in limited space (space sufficient to admit the chain). Each number will fit a range of sizes equal to six pairs of common tongs, while it will outwear several pairs of any kind. Attention is asked to the new Patent Drop Forged Steel Safety Link. This improved method of attaching the chains removes a great defect existing in all other chain wrenches, viz.: the liability of the chain to break away from the jaws, head or handle. A double hold is given to the chain, but the reversible and interchangeable features in which this tool is unique are in no way affected." A statement as to sizes, prices, etc., will be furnished upon application.

A Substantial Testimonial.

Knoxville, Tenn., June 6, 1895. Mr. R. Givens, Corpus Christi, Tex. Dear Sir: Please ship me twenty-five cases of Sootene at once by cheapest freight, and draw on me through "Farmers' and Traders' Bank" of this city for same. I must state Sootene certainly has merit, as I gave it a thorough test by using it in my stoves and many other stoves of my neighbors, and all decided it was a success; it cleaned the pipe of soot and created a good draft. Sootene is a coming household necessity, and when once used it will be kept in every house, as no family can afford to be without Sootene.

Yours truly,
THEODORE MCSPADDEN.

American Hardware and small tools are sold everywhere in Europe. Birmingham has suffered more than any other great town from the competition of "the States." We sell in Great Britain mowers, reapers, clocks, watches, bicycles, revolvers, musical instruments, tools, machinery, and, of recent times and to a less extent, carpets and woolen goods. *New York Recorder.*

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The Bank is located in the Hardware District, near the Hardware Club, and solicits the accounts of Hardware Merchants & Manufacturers.

MERCHANTS' EXCHANGE NATIONAL BANK
OF THE CITY OF NEW YORK.
ESTABLISHED 1829.
257 BROADWAY.

Phineas C. Lounsbury, Prest.
Allen S. Apgar, V.-Pr. and Cash.
Edward V. Gambier, Ast. Cashier.

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STUYVESANT FISH, Vice-President. EBENEZER K. WRIGHT, President. GEORGE S. HICKOK, Cashier.
EDWARD E. POOR, Vice-President. EDWARD J BALDWIN, Asst. Cashier.

THE NATIONAL PARK BANK
OF NEW YORK.

Capital, $2,000,000. - Surplus, $3,000,000.

Extensive Safety Vaults for the Convenience of Depositors and Investors, Entrance only through the Bank.

DIRECTORS:

EBENEZER K. WRIGHT	CHARLES SCRIBNER	RICHARD DELAFIELD
JOSEPH T. MOORE	EDWARD C. HOYT	FRANCIS R. APPLETON
STUYVESANT FISH	EDWARD E. POOR	JOHN JACOB ASTOR
GEORGE S. HART	W. ROCKHILL POTTS	GEORGE S. HICKOK
CHARLES STERNBACH	AUGUST BELMONT	GEORGE FRED'K VIETOR.

The Fourth National Bank of the City of New York solicits mercantile accounts, and offers to depositors every facility which their balances and responsibility warrant.

CAPITAL, SURPLUS AND PROFITS, . . . $5,000,000

J. EDWARD SIMMONS, President.
CORNELIUS N. BLISS, Vice-President.
JAMES G. CANNON, Vice-President.
C. H. PATTERSON, Cashier.
D. O. UNDERHILL, Assistant Cashier.

Organized as a State Bank 1853. **Incorporated as a National Bank 1865.**

CAPITAL, $1,000,000.

THE NATIONAL
SHOE & LEATHER BANK
OF THE CITY OF NEW YORK.

271 Broadway, corner Chambers St.

(In the Hardware District.)

John M. Crane, President. **John A. Hiltner, Vice-President.**
John I. Cole, Cashier.

This Bank solicits accounts, offering to depositors as liberal treatment as may be consistent with sound banking principles and warranted by their business, balances and responsibility.

The Bank also acts as reserve agent for National Banks and New York State Banks.

DIRECTORS:

JOHN M. CRANE, President.
THOMAS RUSSELL,
Treas. of the Clark Mile-End Spool Cotton Co.
THEODORE M. IVES,
of the Willimantic Linen Co.
JOSEPH S. STOUT, Stout & Co., Bankers.
ALONZO SLOTE, of Treadwell & Slote.
JOHN R. HEGEMAN,
Pres. of the Metropolitan Life Insurance Co.
JOHN N. BEACH, of Tefft, Weller & Co.
HALEY FISKE,
Vice-Pres. of the Metropolitan Life Ins. Co.
JAMES G. CANNON,
Vice-President of the Fourth National Bank.
WILLIAM C. HORN, Pres. of Koch, Sons & Co.
FRANCIS B. GRIFFIN,
of C. E. Jennings & Co., Jennings & Griffin Mfg. Co.
JOHN A. HILTNER, Vice-President.

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HALL & ELTON'S GERMAN SILVER.

1887 ═══ Half a Century. ═══ 1895

The Pioneer Makers of German Silver Goods.

HALL, ELTON & CO., Wallingford, Conn.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

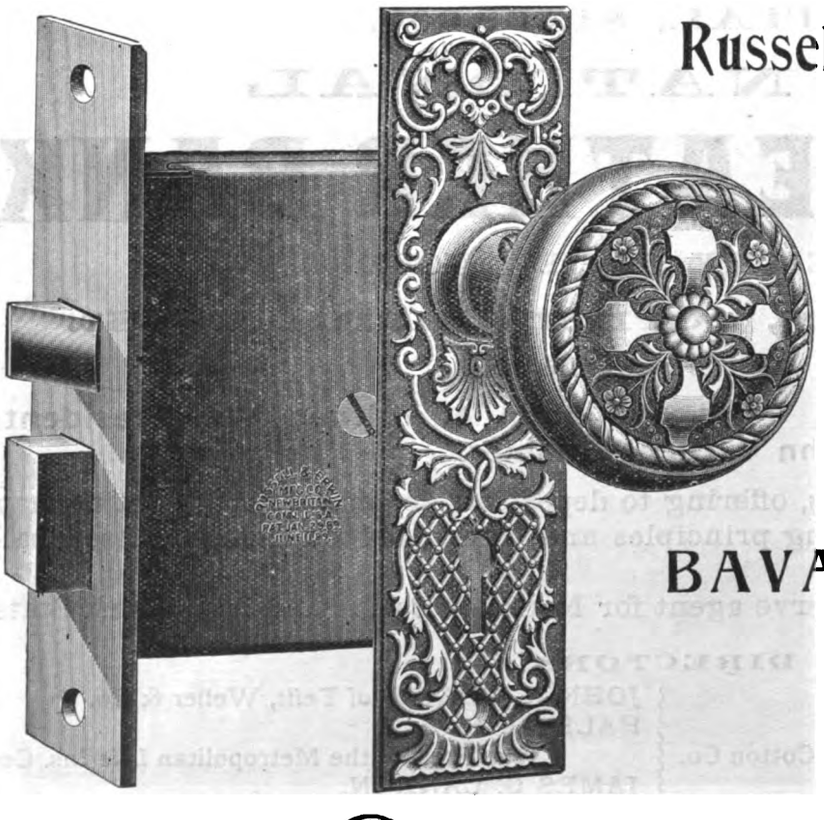
T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.





Russell & Erwin Manufacturing Co.,

New Britain, Conn.,
New York,
Philadelphia,
Baltimore.

BAVARIAN



Bronze Metal
Set No. 895

Bronze Plated
Set No. 7895.

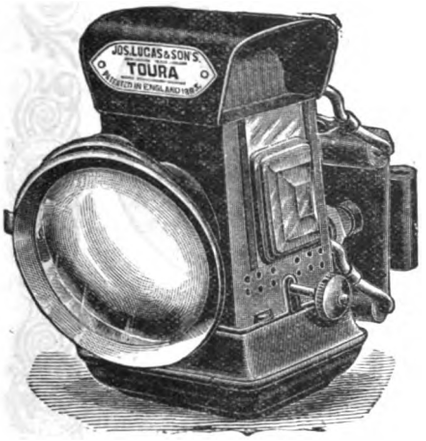
(Illustration Three-quarter Size.)

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Lucas Lamps for 1895

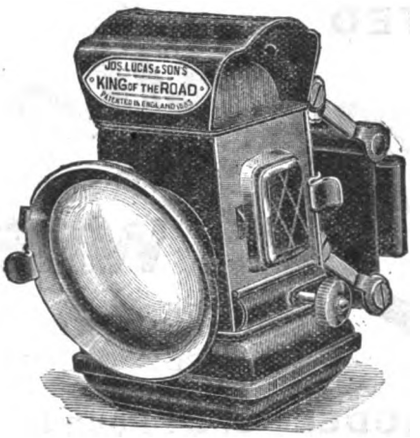
Have been much improved and will give greater satisfaction than ever.

THEY ARE *KING OF THE ROAD,*
KINGLET, TOURA,
CAPTAIN, MIDGET,
LUCENT, PLANET.



Toura.

RECOGNIZED by the trade AS the BEST.



King of the Road, 000.



Planet.

Sole Representatives in the United States,

The New Departure Bell Co., Bristol, Conn.

Sole Agents, John H. Graham & Co.,

Write for Prices. **113 Chambers Street, New York.**

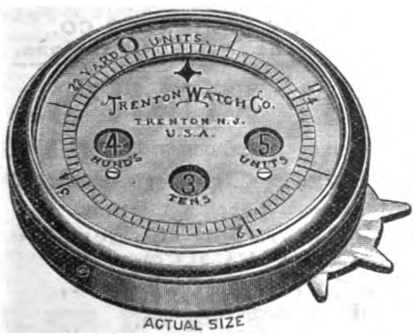
The Latest Novelty. The Greatest Novelty.

The Best Cyclometer.

THE "TRENTON."

Made of Aluminum.

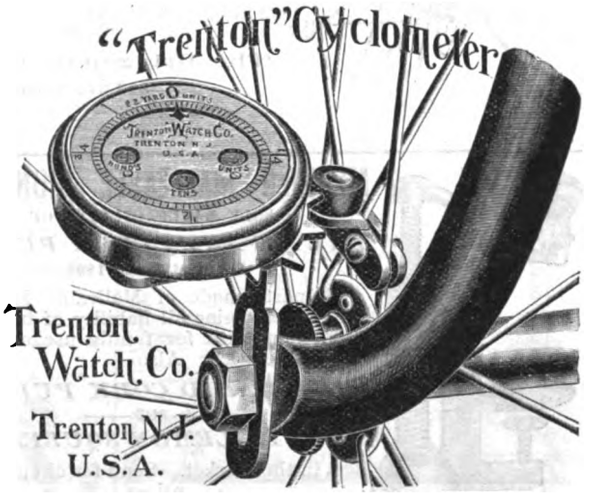
Weight, 2¼ ozs.



Registers 1000 miles and repeats.

Points of Excellence.

Small size.
Handsome appearance.
Absolute accuracy.
Strength and durability.
Noiseless and positive action.
Extreme lightness—weight, 2¼ oz.
Dustproof and waterproof.
Can be read at a glance from the saddle.
Beautiful satin finished ALUMINUM dials which will not break or crack.
Polished ALUMINUM case, which is but ⅓ weight of nickeled brass.
Scientific construction and careful inspection of all parts.
Can be run BACKWARD or forward at a HIGH rate of speed without danger of injury to instrument or bicycle.
Fully guaranteed.
The greatest value for the least money ($2.00).



Why not have the best when it costs so little? $2.00.

DEALERS don't need to push "Trenton" Cyclometers. They sell themselves, if you give them a chance.

Order a sample from your Jobber and accept no substitute.

TRENTON WATCH CO.,

TRENTON, N. J.

Kindly mention "HARDWARE."

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IF YOU WILL ONLY EXAMINE "THE MONARCH"
YOU WILL TAKE THE AGENCY
FOR NO OTHER WHEEL.



WE ANTICIPATED THE UNPRECEDENTED DEMAND FOR

THE Monarch WHEELS,

AND HAVE NEVER FAILED TO SUPPLY THE TWO FAVORITES,

MODEL 9, 24 Pounds, $85.
MODEL 10, 22 Pounds, $100.
} THEY LEAD THE WORLD.

EASTERN BRANCH:
97 Chambers Street,
NEW YORK.

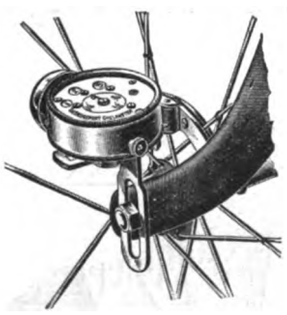
Monarch Cycle Mfg. Co.

C. F. GUYON CO., Ltd.
Managers.

RETAIL AGENTS:

NEW YORK { H. & D. FOLSOM ARMS CO, 314 Broadway.
E. A. BORRMAN, 44th Street and Lexington Avenue.
THE ROWLAND CYCLE CO., 2659 Third Avenue.

BROOKLYN { H. & D. FOLSOM ARMS CO., 1201 Bedford Avenue.
J. F. MARSTERS, 55 Court Street.
SHEPHERD & SHEPHERD, 26th Ward.



DING! THAT'S HOW THE BELL RINGS
On a Model "B"
BRIDGEPORT CYCLOMETER
At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

Rings a Bell at Every Mile.

FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

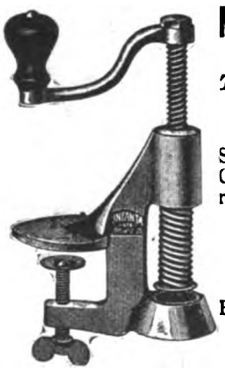
The Bridgeport Gun Implement Co.,
313-315 Broadway, New York.

THE BERRY CLOTHES SPRINKLER
Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Liberal discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.



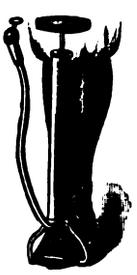
MERIDEN MALLEABLE IRON CO.,
SOLE MANUFACTURERS OF
THE INFANTA CORK PULLER
Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

THE RAPID CORK PULLER
—AND—
RAPID LEMON SQUEEZER.

Best in the market. Send for circulars and prices.

MERIDEN, CONN., U. S. A.



HEATH PUMPS.
Have you ever tried one with a
Universal Coupling?
Fits any Valve---Lasts a Lifetime.
All reliable dealers sell the genuine HEATH PUMPS.
S. F. HEATH CYCLE CO.,
ELASTIC TIP CO., Boston, N. E. Agts.
MANUFACTURERS,
Minneapolis, Minn.

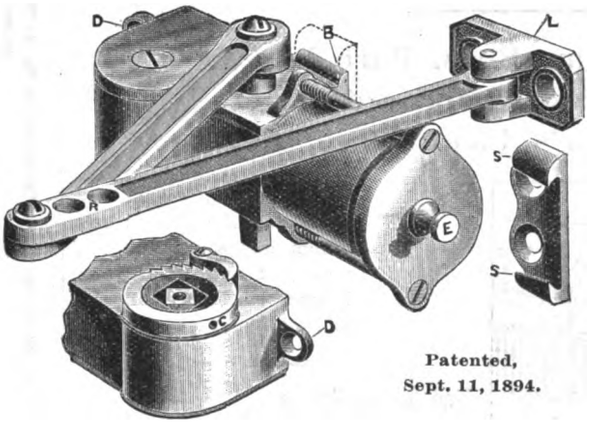


FAITH
—IN—
ADVERTISING
contributes to success, without faith you will be blind to good results.
Advertise in
HARDWARE.

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THE ROYAL DOOR CHECK AND SPRING.

The Latest, Cheapest, Best.



Patented, Sept. 11, 1894.

Simple, Compact, Strong, Durable.

The ***Royal*** has a ***compressed air check.*** No liquids to freeze up or leak. Doors open easily. No back suction. Easiest attachment. Does not require a skilled mechanic to put them on. Improved ratchet for increasing tension on spring. Will fit right or left-hand doors.

PRICE-LIST:

	BRONZED.
No. 1, for Light Screen Doors	each, $2.40
No. 2, for Medium Inside Doors	" 3.30
No. 3, for Large Inside or Small Store Doors	" 4.30
No. 4, for Large Store or Vestibule Doors	" 5.60
No. 5, for Extra Large Doors	" 7.00

Packed One Dozen in a Case. Write for Trade Discounts

DIRECTIONS.

Place the shoe (S) in an upright position on the door, about six inches from back and flush with the top; *fasten securely;* slide the check into the shoe until the lugs (B) fit solid, then put in the end-screw (D). Bring arm (L) down to the transom-rail till it rests firmly, then put in the screws and the spring is ready for adjustment.

HOW TO ADJUST IT.

The thumb-screw (E) regulates the air check. A very slight turn changes the result. If the door slams, tighten it up. If it checks too soon, loosen it. It should check about three inches from the closing. If the spring is weak, increase the tension by turning up the ratchet-wheel (C) one cog. Care should be taken that the spring is not made too strong. If the spring swings the door easily, it is strong enough. Regulate the closing by the screw (E). In case that the transom-rail has a raised moulding, shorten the arm (R) by changing it into the next hole. Also, in putting the arm on the pintle, see that it is *securely fastened* and *rigid.* The checks are reversible for right or left-hand doors by simply changing the arms from one side of the pintle to the other. Follow the above directions, and the spring will give good satisfaction.

W. H. QUINN & CO.,

General Agents. 108 Chambers St., New York.

Established, 1852. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

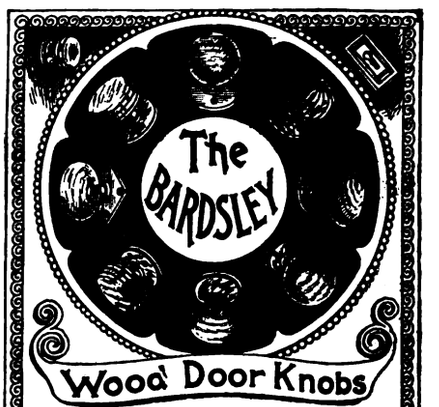
WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.



Wood Door Knobs

are undoubtedly the best. They retain their handsome finish and the heads never come off. They will match any interior finish, as they are made in all woods used for that purpose. The

BARDSLEY CHECKING HINGE

closes the door with a soft, gentle action. Catalogue on application.

J. BARDSLEY,

149 Baxter St., NEW YORK.

WE ARE HEADQUARTERS FOR

STEEL TAPES.

Don't buy foreign goods when you can buy a better article of domestic manufacture.

We manufacture the best and most complete line of these goods in the market.

LUFKIN RULE CO., Saginaw, Mich.

NEW YORK OFFICE, 21-2 Murray Street.

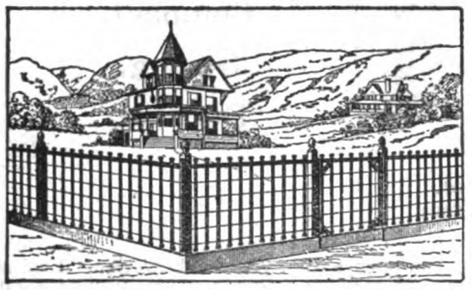
If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire,
Adj. Lawn Fence, Improved Picket
Fence, Kilmer's Field Fence, &c.



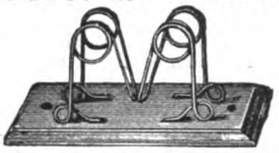
THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market. ∴ ∴ ∴

Send for Illustrated Circular and price list.

TO KEEP A BROOM

Use the **COMMON SENSE BROOM HOLDER.** It keeps a broom dry, keeps it in shape, keeps it from rotting. **Holds a Broom either end up.**

◆ **BEST IN THE WORLD.** ◆



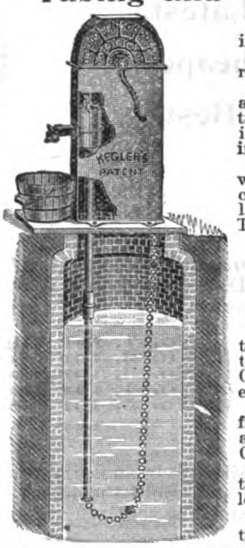
"WIRE HANGERS."

12 STYLES FOR
Ladies and Gents Garments.

WRITE FOR PRICES TO THE
BARBER-KOENIG MFG. CO.,
No. 115 North Vine St., Hazleton, Pa.

Pure Pump Water.

Your water will always be clean and sweet if you use
KEGLER'S PATENT
Galvanized Iron
Tubing and Curb

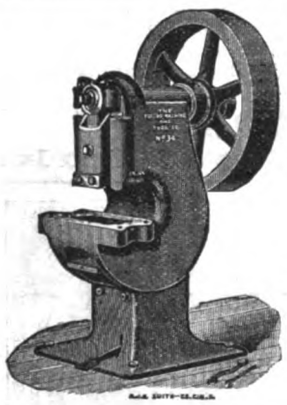


No taste of iron or wood. No rotting, no rust, no filth. **No freezing,** as upper section of Tubing is made tapering. No waste of water, on account of enlarged head on Tubing.

More Durability. Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue.

Sole Manufacturers,
Bellevue Pump Co., Bellevue, Iowa.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.

MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



MYERS' FORCE AND LIFT PUMPS

GREATEST IMPROVEMENT OF THE AGE.

Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.

MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

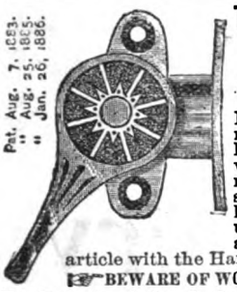
BOSTON TAPE MFG. CO., 137 Pearl St., BOSTON.

◒ Manufrs. of Useful Adv. Mediums. ◒

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

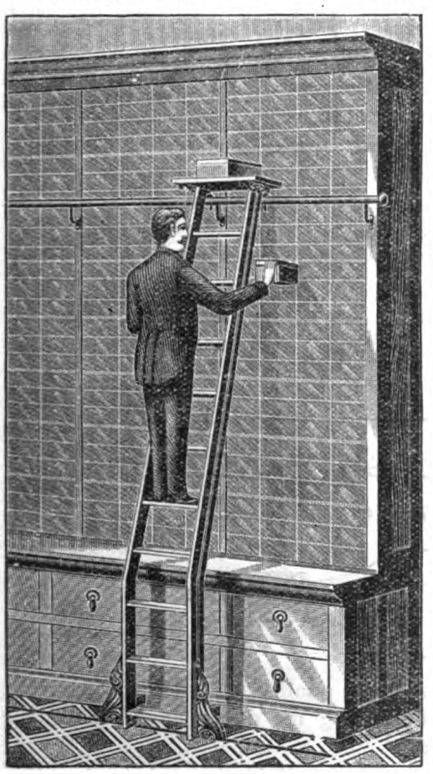
The Champion Safety Lock Co., Cleveland, O.





The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & Co., 80 John St.



Our New Cream City Mug



Is a neat article of attractive design and extremely low in price.

Large quantities of these goods can be disposed of, especially during the picnic season, and no dealer should be without a supply of them.

We make full lines of

Pieced, Stamped and Japanned Tinwares,

ALSO

Black and Galvanized Sheet Iron Goods, Coal Hods, Fire Shovels, etc., etc.

All our goods are guaranteed to give satisfaction.

Respectfully,

The Geuder & Paeschke Mfg. Co.,



MANUFACTURERS,

MILWAUKEE,

WISCONSIN.





BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by

Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.

THE L. & I. J. WHITE CO., Buffalo, N. Y.

MANUFACTURERS OF

Edge Tools, Coopers', Carpenters', Ship. Full line of Chisels, etc.



BARK SPUD.



"A WINNER."

The Safety Rubber Cement Outfit.

EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.

The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of **15 cents.**

Bicycle and Hardware trade supplied.

Send for circular and price list.

The Hugh Campbell Co.,

45 Union Street, Boston.

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CHAS. WEILAND,

IMPORTER AND JOBBER,

Hardware & Cutlery,

149 Chambers Street,

NEW YORK.

Special Low Prices on all Good Goods.

Henry Seymour Cutlery Co.'s

FINE SHEARS, STEEL SECONDS.



Plated Blades.

9 inch at $3.00 per doz; 10 inch, bent or straight at $3.50 per doz.; 12 inch, bent or straight at $6.00 per doz.
Full nickel-plated Seymour Shears, 10 inch, at $4.50 per doz.
Full nickel-plated Steel Shears, made by Schollhorn & Co., star goods.
8 inch, at $3.00 per doz.; 9 inch, at $3.75 per doz.
Steel, nickel-plated, 6 inch, at $1.50 per doz.
Shears, polished blade, japanned handle, all steel. 5 inch, at $1.25 per doz.; 7 inch, at $1.75 per doz.; 7½ inch, at $1.90 per doz.; 8 inch, at $2.10 per doz.; 8½ inch, at $2.25 per doz.
Lipped Barber Shears, steel, 9 inch, at $2.00 per doz.

STEEL BUTTON HOLE SCISSORS,

"New Haven Make,"

With brass set screw, full steel polished; No. 800, 4¾ inch, $2.00 per doz.

STEEL SHEARS, "New Haven Make,"

8½ inch, full polished, $2.00 per doz.

PAPER SHEARS,

BEST CAST STEEL.

Size,	9 in.	10 in.	11 in.	12 in.	13 in.
Price,	20c.	30c.	35c.	40c.	50c. per pair.

BARBER SHEARS.

Full nickel-plated, Seymour goods, 8 inch, $2.50; 8½ and 9 inch, $2.75 per doz.

SEYMOUR BARBER SHEARS.

Japanned handle, nickel-plated blades, 7½ inches, $1.75; 8 inch, $2.00, and 8½ inch, $2.25 per doz.

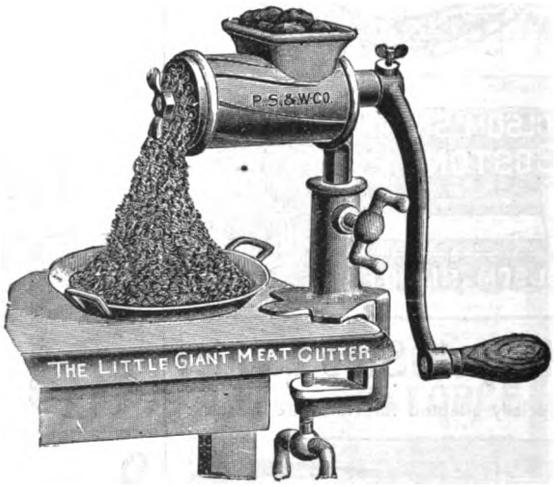
FIRST QUALITY STEEL LAMP TRIMMERS,

With Spring,

Very fine goods at $1.00 per doz., worth $3.00.

LITTLE GIANT MEAT CUTTER.

No. 210, Galvanized, First Quality.



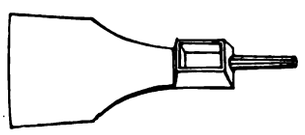
My price $12.00 per doz., worth $19.00 regular.

The above cut represents our new patented clamp, which we now use with all Cutters made to clamp to the table. The best made.

The CUTTER can be raised or lowered on the stand, and can be readily taken from the stand for cleaning. The clamp is easily adjusted, and holds the CUTTER very firmly and securely. With clamp for Family or Hotel use, weight complete 8¾ lbs. Cuts 3 lbs. per minute. Directions for use packed with each machine. Will guarantee them satisfactory in every way.

STEEL SHIP ADZES.

First Class Goods.

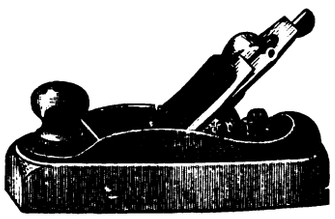


Price, $4.00 per doz., same quality as I sold for $6.00 right along. On account of buying 100 dozen at one time for cash, I got them cheap.

I also have in stock mostly all kinds of Axes, handled and unhandled, also hatchets.

The above prices are all net cash, no charge for cases or packing. Send me a mail order at once from the above goods. I also have a Catalogue of a full line of Hardware, Cutlery, and House-Furnishing goods.

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THE SAMUEL I. GOODALL CO.,

MANUFACTURERS OF

Bailey Pattern Planes, Try Squares Bevels, Etc.

Philadelphia, Pa., U. S. A.



THE WM. SCHOLLHORN CO.,

New Haven, Conn.



"Star" Straight Trimmer (Oval Pattern).

MANUFACTURERS OF

The Celebrated "Star Brand" Shears and Scissors, and "Elm City" Shears in large variety.

ALSO MANUFACTURERS OF

Bernard's Parallel Pliers

In all styles and sizes for various purposes.

"BEST QUALITY ONLY."

Marten Doscher.

DEPOT,

88 Chambers St., New York.

EDGE TOOLS,

G. W. Bradley's,

Horton's,

L. H. Watt's.

BENCH PLANES, &c.

Turned Work Handles, Mallets, &c.

ESTABLISHED, 1835. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

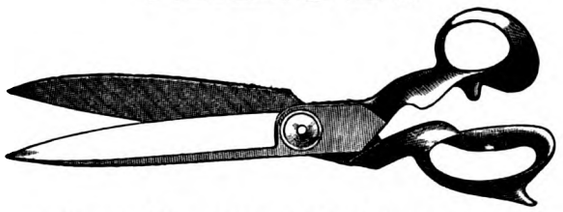
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We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



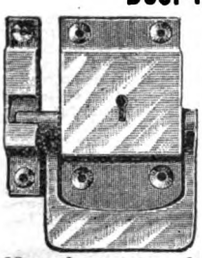
They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

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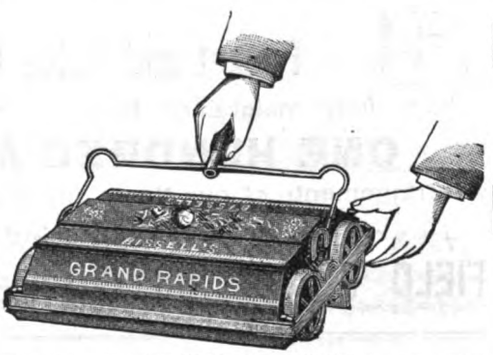
PHILADELPHIA PA.

Manufacturer of **Refrigerator and Ice House Fasteners Hinges and Faucets.**

"BISSELL'S"

CARPET SWEEPERS





EASY TO BUY

EASY TO SELL.

85% of all the Carpet Sweepers used in the Entire World are "Bissells"

MANUFACTURED BY

BISSELL CARPET SWEEPER CO.,

(LARGEST SWEEPER MAKERS IN THE WORLD.)

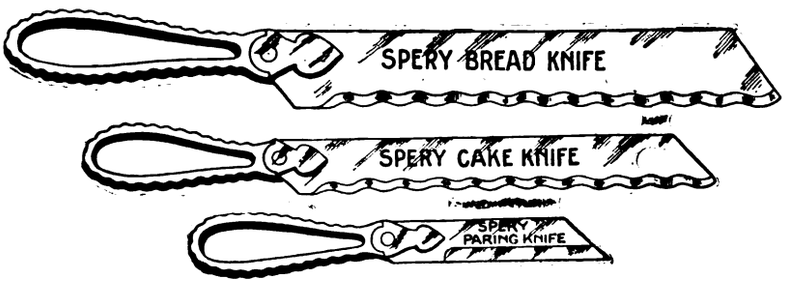
FACTORIES: Grand Rapids, Mich.; Toronto, Can.; Paris, France.

OFFICES: Main Office, Grand Rapids, Mich.
Export and Eastern Branch, 103 Chambers St., New York.
Branches: London, Paris, Boston, Hamburg, Melbourne, Rotterdam, and Agencies in Twenty Foreign Countries.

WRITE FOR CATALOGUE AND PRICES

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SPERY CUTLERY MFG. CO., - St. Louis, Mo.



We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made.

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street, DAVID EASTMAN, Manager.



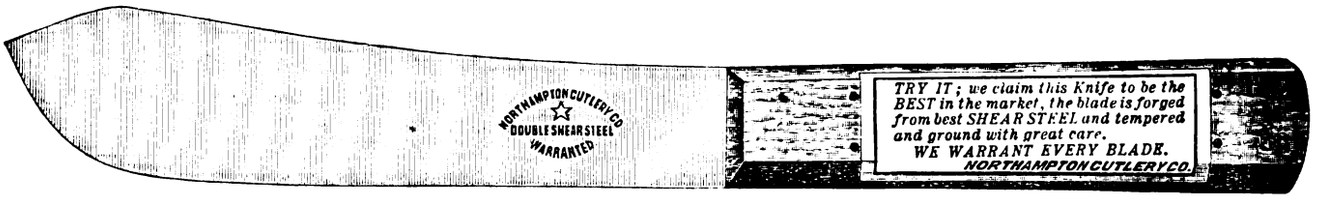
PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom, 96-98 Reade Street.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

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Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

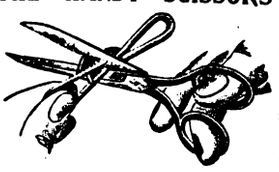
JOSEPH RODGERS & SONS, LIMITED, } BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, } HORSE AND TOILET CLIPPERS.
COATES CLIPPER MFG. CO., }
ELEY BROS., LIMITED, } CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT, } FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES, } SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE, } GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE, } GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL, } PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO, ALEXANDER FRAZER & CO., JONES & CO.

ARE YOUR SCISSORS DULL?

THE "HANDY" SCISSORS SHARPENER,



Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

EASTMAN & CO., 64 Reade St., New York.

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Apple Parers.

We have had 25 years experience in making Apple Parers and think we know how.

We make a larger variety and more than any other firm in the world. We make a specialty of Apple Parers for Evaporators, Bakers, etc., to pare, pare and core, or pare, core and slice, both hand and power.

Catalogue sent to any Dealer if wanted.

GOODELL COMPANY, ANTRIM, N. H.

High Grade American Cutlery.

EVERY BLADE
HAND-FORGED
FROM BAR STEEL
AND FULLY WARRANTED.

Elliott W. Langley, 74 Reade St., New York.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

Our '78 Apple Parer

is the most popular machine in the market. Get your orders in early.

Reading Hardware Company.

New York, 96 & 98 Reade St. | Philadelphia, 514 Commerce St. | Chicago, 73 Wabash Ave.

Factories, - - READING, PA.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

Two o the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

GENUINE



CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



BUCK'S HEAD.

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Our Latest is the Ormonde



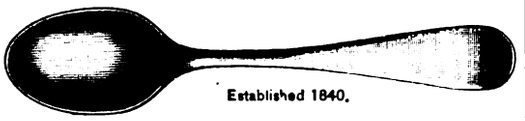
And bears the TRADE MARK ROGERS TRADE MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

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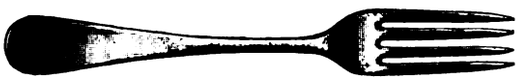
HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

No. 21. NICKEL SILVER SPOONS AND FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "H E Nickel Silver, No. 21."

MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO.

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

NEW YORK AGENTS FOR

CORTLAND SCREEN CO., UNION STEEL SCREW CO., EAGLE FILE CO.

WITHINGTON & COOLEY MFG. CO. Farming Tools sold for New York or factory shipments.

SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Largest stock in New York City, consisting of

O. Ames & Sons' Shovels, Spades and Scoops.

Utica Tool Co.'s Hoes and Rakes.

Knapp & Pratt Mfg. Co.'s Malleable Iron Rakes.

Chadborn & Coldwell Mfg. Co.'s Lawn Mowers.

David Wadsworth & Sons' Scythes, Grass Hooks, Wooden Rakes, Scythe Snaths, Scythe Stones, &c., &c., &c.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

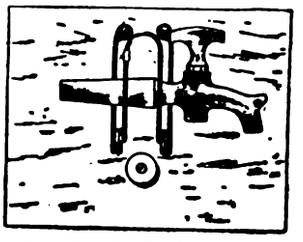
MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them. Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON,
Monroe City, Mo.



House... ...Goods Supplies.

ESTABLISHED 1867

Partrick & Carter Co.

Electrical Supplies

125 South 2d St. Philadelphia

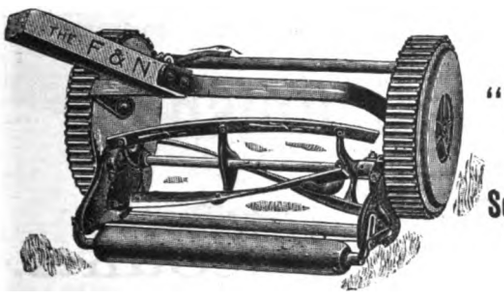
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Send business card and mention "Hardware."

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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.

MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS,

WHICH ARE UNEQUALED.

NEW ENGLAND SPECIALTY CO, - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.



Dumb Waiters..... that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO., Send for catalogue. NEWARK, N. J.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

Liberal Discounts to Dealers. Send for Catalogue.

ENERGY MFG. CO.,

1223 S. 15th Street, PHILADELPHIA.

DUMB WAITER and HAND ELEVATOR FIXTURES.

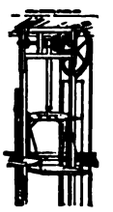
COLDWELL-WILCOX CO.,

MANUFACTURERS,

NEWBURGH, N. Y.

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs. Ia.

THE GEO. W. STANLEY CO.,

BELLEVILLE, ILL.

Manufacturers of

Double-Pointed Tacks, Hoop and Barrel Nails and Staples.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS

WERE THE

OFFICIAL

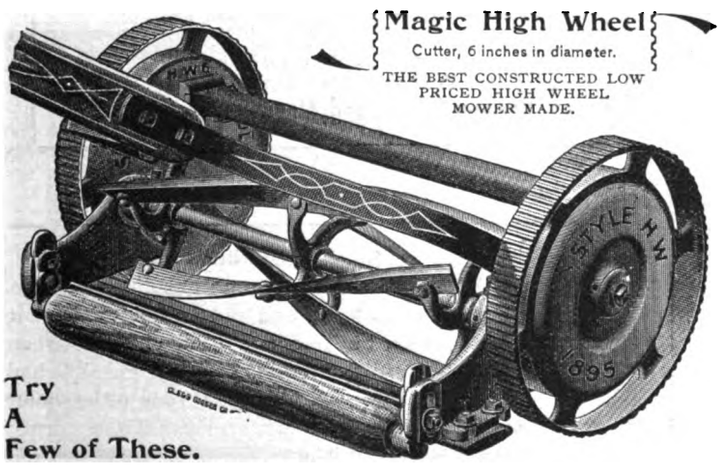
MOWERS OF THE

Columbian Exposition.

OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

Magic High Wheel Cutter, 6 inches in diameter.

THE BEST CONSTRUCTED LOW PRICED HIGH WHEEL MOWER MADE.



Try A Few of These.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters from D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,

Richmond, Ind. U. S. A.

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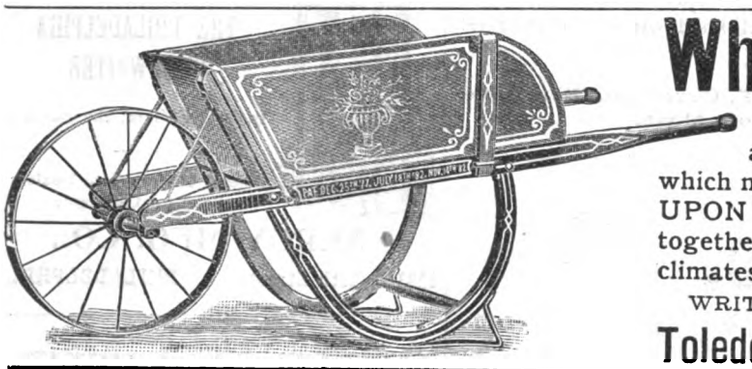
McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

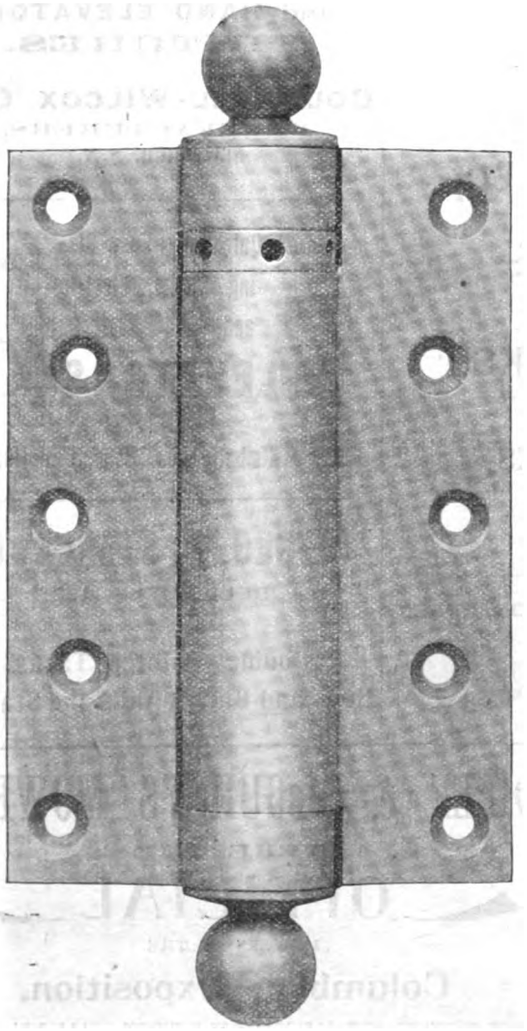


Wheelbarrows of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works. Toledo. O.



NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 82 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
C. P. GOSS, Treasurer and Manager.

Scovill

Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN

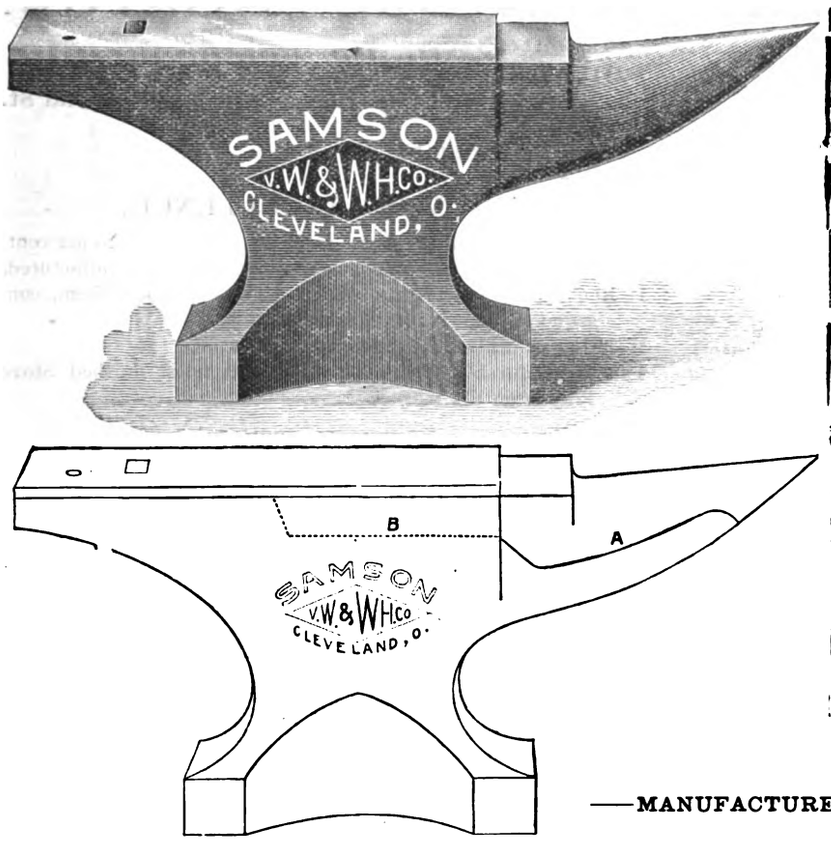
Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*

A man visited Mosher, Bissell & Mather's Hardware store, West Bay City, Mich., and wanting some gasoline, went to the rear shed, where it is kept, and proceeded to draw it himself. Unfortunately, he held a lighted cigar between his teeth, and in about thirty seconds after the gasoline had been running, he found himself blown through the door. The fire blazed up brightly, but an alarm was at once turned in and the firemen soon had it out.

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Samson Anvil.



This Anvil combines an unusually handsome design with great strength and a very fine temper and finish. The face is of crucible Cast Steel, much heavier than that generally used. The horn has a solid point and a facing of tough untempered steel with a long heavy shank, welded underneath to the steel facing.

The line "A" of the outline cut shows the facing of the horn and the dotted line "B" shows the shank welded to the facing plate and extending into the anvil.

The body of the anvil is of tough Cast Iron. The facings are very thick and heavy, giving strength to the anvil and solidity and durability to the parts in general use.

Owing to a novel and patented process, and skill in the welding of these heavy facings to the cast iron, we are able to produce an anvil which will successfully stand the most severe use. The temper is of the very best character, the face is true and highly polished, and the finish is superior. Every anvil is guaranteed.

We aim to furnish an anvil excellent in every respect and at a low price.

PRICES QUOTED ON APPLICATION.

—MANUFACTURED BY—

Van Wagoner & Williams Hardware Co., CLEVELAND, OHIO.
14 WARREN ST., N. Y.



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HALL BROS. MFG. COMPANY,

—Manufacturers of—

"Mosaic" (TRADE MARK.) Enameled Stove Boards.

OFFICES AND SALESROOMS:

NEW YORK, 260 Canal St. | CHICAGO, 225 Fifth Ave. | PHILADELPHIA, 249 S. Second St. | BOSTON, 90 Canal St.

FACTORY: BELDING, MICH.

TO THE TRADE.

BELIEVING there is a demand for a superior line of Stove Boards and judging from the success we had last season with the "Mosaic" Enameled Board, we think it would be to your advantage to look at our samples before placing your order. We carry a full line of stock in our New York, Philadelphia and Boston salesrooms, and will be glad to answer all inquiries and quote prices.

POINTS OF EXCELLENCE.

The Plates used for our Enameled Stove Boards are 20 per cent. heavier than used on any other Stove Boards manufactured.

It Requires a temperature of 240 degrees to finish them, consequently the enamel is indestructible.

Washing or heating will not injure the surface.

The Most durable, the handsomest and finest finished Stove Boards on the market.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

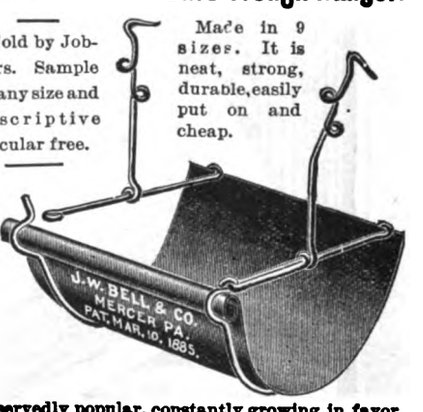
Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,
Gouverneur, N. Y.
U. S. A.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

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Just What Every Manufacturer Wants!

The Reference Book

OF THE

Hardware and Kindred Trades of the United States and Canada.

THE Book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

Hardware Dealers.
Dealers in Sporting Goods, Bicycles, Firearms, &c.
Agricultural Implement Dealers.
Stove Dealers.

Sent (Postpaid) on Receipt of

TWO DOLLARS.

CERTAIN marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, Stove dealers in another, etc. In most cases, in the Hardware list, are specified the special kind of Hardware handled, as Shelf Hardware, Cutlery, etc.

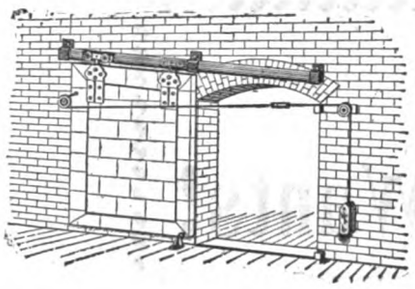
SEND ORDERS TO

HARDWARE PUBLISHING CO.,

143 CHAMBERS STREET,

NEW YORK.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

WOOD MANTELS.

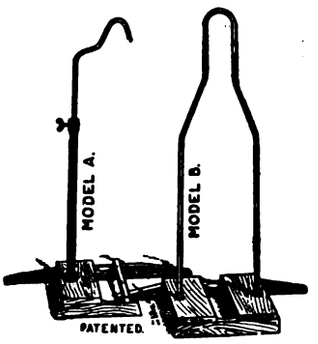


—THE—

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME.

—Price, $1.00 Each.—

FOR SALE BY LEADING BICYCLE DEALERS

—Manufactured by—

Wm. M. Justice & Co.

PITTSBURG, PA.

Liberal Discount to the Trade.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES { 277 Broadway, cor. Chambers St.
621 Broadway, cor. Houston St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.
Saratoga, N. Y.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.

WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address

FOREHAND ARMS CO.,
WORCESTER, MASS.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, PARKER BROS., MAKERS, Meriden, Conn.

WINNER OF GRAND AMERICAN HANDICAP OF 1895.

Seed's
New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at :

75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : :

J. H. SEED, Manufacturer,
21 & 23 Centre Street, New York.

REMINGTON
HAMMERLESS GUNS.
Automatic and non-Aut. Ejecting.

THE FINEST AMERICAN GUNS EVER OFFERED.

10 Qualities, from $45.00 Upwards.



GUARANTEED FOR NITRO POWDERS.

Handsomely Illustrated Catalogue for 1895 sent to any address Free of charge.

REMINGTON ARMS CO., - ILION, N. Y.

Makers of the Celebrated Remington Bicycle, office, 313-315 Broadway, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

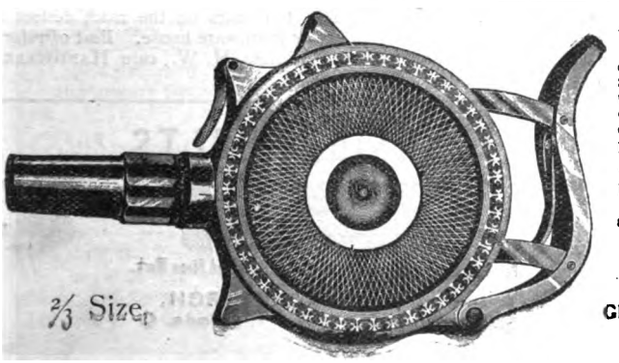
Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

F. H. WEEKS - AKRON, OHIO.

"PROTECTOR" REVOLVER.



A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.
GEO. J. WELLS, Agent,
88 Chambers St., New York.

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The Yale & Towne Mfg. Co.,

EXCLUSIVE SALES AGENT FOR THE

BLOUNT LIQUID DOOR CHECK

Closes the door absolutely without slamming.
Easy action in opening.
Simple in construction.
Easily attached.
Perfect adjustment.

GENERAL OFFICES, 280 BROADWAY, NEW YORK.

WAREROOMS:

NEW YORK, CHICAGO, PHILADELPHIA, BOSTON, BUFFALO, SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

AN importer of pocket knives, scissors and razors desires one or two first-class salesmen, who are thoroughly familiar with these lines and know the trade; highest salary paid. Address, stating full particulars, Good Chance, care HARDWARE, No. 143 Chambers Street, New York.

A1 SALESMAN wanted to visit the Jobbing trade of New York and Pennsylvania. Liberal commission. Address L. L. W., care HARDWARE, No. 143 Chambers Street, New York.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

WANTED a position as traveler for Hardware Specialties, by a man of ability and experience; salary or commission. Address E. W., No. 1810 N. 13th Street, Philadelphia.

POSITION as traveling salesman. Pittsburg and West Pennsylvania, for Wire, Tin-Plate, Cast or Wrought Iron Pipe. Best of reference and long experience. Address Ernest C. Beatty, Box 897, Pittsburg, Pa.

A YOUNG Englishman (23) desires position in Hardware or cutlery, eight years' experience; 2½ London. Splendid references Wholesale or retail. James R. Bayley, No. 97 Varick Street, New York.

WANTED a position as clerk or salesman. Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No. 143 Chambers Street, New York.

BUILDERS' and General Hardware and Rubber Goods.—Young man (34) with twelve years' experience and good executive ability, desires position. Thorough Bookkeeper, Correspondent, Salesman and Buyer. At present on the road. Competent to act as Manager or Agent for a reliable firm, as he is well known to the New York, Philadelphia and Eastern buyers. Address "Cyclist," care HARDWARE, No. 143 Chambers Street, New York.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 Lafayette Avenue, Brooklyn, N. Y.

YOUNG bus'ness man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 23, desires position in retail or jobbing house. Five years' experience. Well acquainted with builders' Hardware, machinists' tools and cutlery. Can furnish best of references as to ability, etc. Address E. T. Barton, General Delivery, Hartford, Conn.

A SITUATION wanted by a young man twenty-eight years old, with ten years' experience as salesman. Good city reference can be given. G. A. K., care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

AN energetic young man who has filled every position in the jobbing, Implement and Hardware business from stenographer to manager desires to connect himself with some Eastern manufacturer either at factory or as representative at some point in this country. Address W. J. S., care HARDWARE, No. 143 Chambers Street, New York.

A POSITION wanted either in the house or on the road, by a young man of ten years' experience in general Hardware and several years as traveling salesman in Pennsylvania, Maryland and West Virginia. Address C. W. Shires, Bedford, Pa.

YOUNG man, 25, desires position as assistant bookkeeper and general man in a Hardware concern. Can furnish A1 references as to ability, etc. Five years' experience in Hardware line. Address J. H., No. 412 Eighth Avenue, New York City.

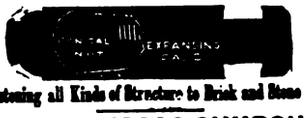
A POSITION by a young man. Six years' experience in large builders' Hardware manufacturing concern. Well acquainted with builders' Hardware and estimate work. Discount, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as salesman, traveling or in store, of wholesale or retail general Hardware or cutlery house. Have had ten years' experience as buyer and head salesman in above lines, and will furnish the highest references. X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted to auctioneer job lots or Hardware specialties through the West, by a man who has had twenty years' experience in that line, and can furnish A1 references. Would be pleased to correspond with job lot dealers. Address P. H. Starr, Norwalk, Ohio.

AN experienced Hardware salesman, ten years on the road, desires a position with a first-class cutlery or Hardware house. Best of references as to character and ability. Address H. W., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O

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"SOLID STEEL"
ROYAL ENAMELED COOKING UTENSILS.

WE ARE THE MANUFACTURERS.

The Cleveland Stamping & Tool Co., - Cleveland, Ohio.

Write for Catalogue and Prices.

Situations Wanted.

SITUATION wanted by a man with twenty years' experience in the Hardware business. Thoroughly posted in builders' Hardware and house-furnishing goods. Will accept position in house or on the road. Address Brooklyn, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Experienced Hardware salesman, seven years introducing to architects and large trade extensive territory. Ability, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Position desired as such to represent first class firm, California preferred. Smart, well educated, used to traveling in States, Canada, England and Germany. Fifteen years' references. Age, 31. Address F. N. Co , No. 1710 Amsterdam Avenue, New York.

A COMPETENT young lady, who has had business experience, would like position of stenographer and typewriter in some reliable Hardware house. First-class references given. Address Typewriter, care HARDWARE, No. 143 Chambers Street, New York.

BICYCLE DEPARTMENT.—A1 man of many years' experience, thoroughly well posted in regard to every detail of the bicycle business; first-class salesman, good advertiser and persistent hard worker would like charge of this department or is open to offers. C. C. L., care HARDWARE, No. 143 Chambers Street, New York.

A LIVE, energetic young man recently employed by leading cutlery importer, desires to represent a German manufacturer to take importation orders for pocket-knives, razors or scissors. An experienced traveler and possessing the highest references. Address Norroton, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

THE subscriber desires to recommend a first-class traveling salesman, at present covering the State of Colorado with samples of crockery, to manufacturers of Hardware or other similar lines desirous of being efficiently represented in that territory. Address Henry W. Darling, Treasurer General Electric Co., Schenectady, N. Y.

AN active agent with large personal acquaintance with jobbing and retail toy trade wishes a line of small iron toys on commission for Baltimore and Washington, D. C. Best of references. Address C. F. M., corner Bond and Gay Streets, Baltimore, Md.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches. Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

WANTED—Active, energetic traveling Hardware salesman to carry an article as a side line, which will interest every dealer. Large commissions paid. Address Richmond Safety Gate Co., Richmond, Ind.

Agencies for Hardware Specialties Wanted.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No. 143 Chambers Street, New York.

CALIFORNIA.—A responsible, experienced party about locating at Los Angelos, California, desires several agencies for first-class manufacturers and Hardware specialties. Address E. S. C., HARDWARE, No. 143 Chambers Street, New York.

AN active, pushing salesman, having large acquaintance among Hardware, department stores, etc., in New York, Philadelphia and the South, desires to add a good line on commission. Manufacturer's agency preferred. Highest references. Address "Specialties," care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED an experienced partner with $3000 to take half interest in an established Hardware business in a growing town. Address H. H. H., P.O. Box 2383, New York City.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Addrees H. E. Colwell, agent; or E. Lambden, Jr., owner.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street, New York.

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E. W. BLISS CO.,

18 ADAMS STREET, BROOKLYN, N. Y.

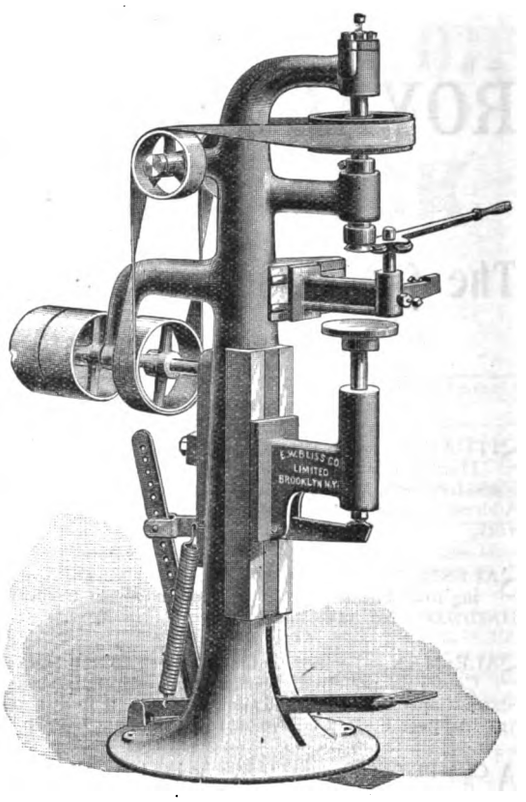
Chicago Office, 96 W. Washington St.

DOUBLE SEAMING MACHINES
FOR
ROUND, SQUARE & IRREGULAR WORK.

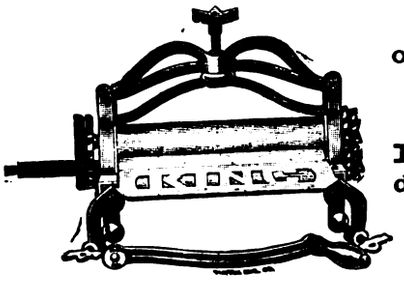
FOOT & POWER PRESSES, PUNCHES, SHEARS, DIES, & SPECIAL MACHINERY.

FORGING & STAMPING DROPS, FRICTION CLUTCHES.

MACHINERY FOR THE MANUFACTURE OF HARDWARE, & SHEET METAL GOODS.
OWNERS OF
THE STILES & PARKER PRESS CO.



We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.
New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.

HARVEY HUBBELL,
Machinery and Tool Mfr.
Improved Tapping Machines.

SCREWS
Machine screws for electrical purposes. Sample box free.
BRIDGEPORT, CONN.

The BEST FREEZERS Made

HAVE
Electric-Welded Wire Hoop Pails,
MADE OF
Best Virginia White Cedar,
AND
Drawn Steel Bottom Cans.

SOLD BY LEADING JOBBERS.







HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

STRONGER. LAST LONGER. HANDSOMER.
EQUALLED BY NONE
IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

Manufactured Exclusively by

North Bros. Mfg. Co., Philadelphia, Pa.

COLUMBIA WASHING MACHINE

Made of Best Virginia White Cedar. All Trimmings, Casting, etc., Galvanized.

An Easy Seller. Prices and Catalogue gladly sent on application.

RICHMOND CEDAR WORKS,

MANUFACTURERS OF
WOODENWARE,
Mention HARDWARE, Richmond, Va.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 20&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8.....1.50..P.E., 7.....1.50
} 20%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$1.75
Dust Shot, 5-lb bags, ₩ bag....$ .40

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 00 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....35
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.35
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.35
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9¾@9¼c
American "Horse-Shoe".9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....30&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18...40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..30%
Cincinnati Expansive....35&10&10%
Sargent's Expansive.....30&10&10%

GIMLET BITS—
Diamond ₩ doz. $1.35.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....25@25&10%
Snell's.....25&25&10%

Awls—
Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..35&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $15; 3, $12; 4, $9; 5 $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co: Standard Brands.....₩ dos. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$18.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.40&10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb:
Broad.....40&10@50%
Shingling.....40&10@50%
Lathing.....40&10@50%
Warehouse.....40&10@50%
Collins.....10%

Balances—
Straight Spring balances.40&10@50%
Common 24 lb. ....₩ doz. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Bal....40@40&10%
Chatillon's Clr. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—
HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....35%
Francis Keil & Son Trip Gongs...50%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....33⅓&10%
Gong, Yankee.....45&10%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....25&10%
Crank, Brooks'.....2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—
Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per dos.; No. 2, $11.00.....40&30%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7½x7½x1, ₩ doz. $11.00.....50%
9x9½x1, ₩ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $20.00....60&5@60&10%

Blind Adjusters—
Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $.....20%
Fustin & Eddy ₩ gro. sets.....$5.50
orhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ dos. $1.00..20@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75&10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...10&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75&10@80%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.65%&
Wr't Sunk Flush, Sargent's list. 60@10%
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com., Jan. 30, '95.70&10&5@70&10&10%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila. pattern, list Oct. 7, '94.....80%
R. B. & W., old list.....70&10%
Machine list Jan. 30, '95.....75&10%
Bolt Ends, list Jan. 30, '95.80@80&5%

TIRE—
Common, list July 1, '95.....70&10%
American Screw Co:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%

STOVE AND PLOW—
Stove.....70%
Plow.....10&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....70%

Bone Mills—
Enterprise.....30%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40@ 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—
Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co 60&10@60&10&10%

Braces—
Barber's.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%

Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@77%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)...50&10&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net. ₩ dos. $1.12@$1.26
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.70@70&10%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....90&20@90&35%

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Bull Rings—
Union Nut Co. ... 55%
Sargent's ... 80@10&10%
Seymour Smith & Sons, low list ... 30%
Humason, Beckley & Co.'s ... 80@80&10%
Peck, Stow & Wilcox Co.'s ... 60@60&10%

Butcher's Cleavers—
Bradley's ... 25@30%
L. & I. J. White ... 25%
Beatty's ... 40&5@40&10%
New Haven Edge Tool Co.'s ... 40%
P. S. & W. ... 33⅓&5@33⅓&10%
Dunlap's Family ... 25%
Foster Bros. ... 30%

Bung Hole Borers—
Enterprise ... 25%

Butter and Cheese Tryers—
Ordinary ... 25%

Butt Gauges—
Stanley's ... 20&10%

Butts—
BRASS—
Wrought Brass ... 80&10@80&20%
Cast Brass, Tiebout's Fast Joint ... 50%
Cast Brass, Tiebout Ice House ... 40%
Cast Brass, Corbin's Fast ... 33⅓&10%
Cast Brass, Loose Joint ... 33⅓&10%
Cast Brass, Francis Keil & Son ... 40%
Norwich Lock Mfg. Co. Bronze ... 30%
CAST IRON—
Fast Joint, Narrow ... 60@60&10%
Fast Joint, Broad ... 60&10@60&10&10%
Loose Joint ... 75&10@80%
Loose Joint, Japanned ... 75&10@80%
Loose Joint, Jap. with Acorns ... 75&10@80%
Parliament Butts ... 75&10@80%
Mayer's Hinges ... 70@10@80%
Loose Pin, Acorns ... 75&10@80%
Loose Pin, Acorns, Jap. ... 75&10@80%
Loose Pin, Acorns, Japanned Plated Tips ... 5&10@80%
WROUGHT STEEL—
List, April 1, 1895.
Narrow, No. 800 ... 75%
Narrow, Loose Joint, No. 802 ... 75%
Loose Joint, No. 806 ... 75%
Reversible, No. 804 ... 75%
Broad, No. 808 ... 75%
Table, No. 810 ... 75%
Back Flaps, No. 814 ... 75%
Square Back Flaps, No. 816 ... 75%
Pew Door, No. 818 ... 75%
Chest, No. 820 ... 75%
Reversible, with Steeple or Ball Tips, Nos. 822, 823 ... 75%
Light Reversible, with Ball Tips, No. 825 ... 75%
Extra Light, No. 826 ... 75%
Light Reversible, No. 834 ... 75%
Light Loose Joint, No. 836 ... 75%
Wardrobe, Ger. Pat. No. 83734 ... 75%
Light Narrow, No 838 ... 75%
Loose Pin, Light Nar., No. 840 ... 75%
Light Inside Blind, No. 842 ... 75%
Light Inside Blind, Beveled Edge, No 843 ... 75%
Light Inside Blind, Loose Pin, No. 844 ... 75%
Three Fold Shut. Butts, No. 845 ... 75%
Light Inside Blind Edge Hole, No. 846 ... 75%
Light Inside Shutter, No. 848 ... 75%
Parliament, with Steeple or Ball Tips, Nos. 828, 829 ... 75%
Parliament, No. 830 ... 75%
Light Parliament, No. 832 ... 75%

Can Openers—
Messenger's Comet ... ℔ doz $3.00. 25%
American ... ℔ gross $1.70@$2.00
Dunlap's Iron Handle, No. 3 ℔ gr. $12.00 ... 25%
A. S. Henn ... 50&10%
Dunlap's Wood Handle No. 2 $1.75. 25%
No. 5, Iron Handle. ℔ gr. $6 ... 45@50%
Eureka ... ℔ doz. $2.50 ... 10%
Sardine Scissors ... ℔ doz. $2.75@3.00
Dunlap's Sardine Scissors, ℔ doz. $5.00 ... 25%
Star ... ℔ doz. $2.75
Sprague, No. 1, $2.00; 2, $2.25; 3, $2.50, 70%
World's Best, ℔ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00 ... 50& 10%
Electric Rotary Expansive, ℔ gr $9.00
Goodell's Acme, ℔ gr. $8.00; ℔ doz. 75c
Universal, ℔ doz. $3.00 ... 55&5%
Domestic, ℔ doz. $2.00 ... 45%
Champion, ℔ doz. $2.00 ... 50%
New Scott Mfg. Co.'s list ... 20&10%
Leavitt's Common Sense ℔ gro $7.00 ... 50%
Kohler's Cyclone ... ℔ doz. 75c
Kohler's Lightning ... ℔ doz. 90c
Moore's ... 75%

Cards—
Horse and Curry ... 20@25%
Cotton ... 2 @25%
Wool ... 2 @25%

Carpet Stretchers—
Cast Steel, Polished ... ℔ doz. $2.25
Cast Iron, Steel Points. ℔ doz. 85c 20%
Bullard's ... 30%
Dunlap's ... 25%
Wm. Johnson's Socket ... 50%

Carpet Sweepers—
Bissell's:
Grand ... ℔ doz. $36.00
Gold Medal ... ℔ doz. $27.00
Prize ... ℔ doz. $27.00
Premier ... ℔ doz. $27.00
Superior ... ℔ doz. $27.00
Cosmopolitan ... ℔ doz. $27.00
Furniture Protector, Japanned ... ℔ doz. $24.00
Furniture Protector, Nickel ... ℔ doz. $27.00
Inter Ocean ... ℔ doz. $27.00
Hall ... ℔ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1 ... ℔ doz. $21.00
Domestic, No. 2 ... ℔ doz. $22.00
Excelsior ... ℔ doz. $22.00
Garland ... ℔ doz. $18.00
Grand Rapids, Jap ... ℔ doz. $24.00
Grand Rapids, Nick ... ℔ doz. $27.00
Housewife's Delight ... ℔ doz. $15.00
Improved Parlor Queen Japanned ... ℔ doz. $24.00
Improved Parlor Queen Nickeled ... ℔ doz. $27.00
Standard ... ℔ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ℔ doz. in 5 doz. lots, $2.00 ℔ doz. in 10 doz. lots.

Casters—
Bed ... 60&10@70%
Plate ... 60&10@70%
Shallow Socket ... 60&10@70%
Deep Socket ... 60%
Martin's Patent (Phœnix) ... 60@60&5%
Tucker's Patent, low list ... 50@50&5%
Yale Casters, list May, '84 ... 50%
Yale Gem ... 70%
Giant Truck Casters ... 35%
Stationary Truck Casters ... 60%
Socket Truck Casters ... 60%
Swivel Truck ... 60&10&10%
Store ... 55%
Gwinner's Common Sense ... 50%
Gwinner's Hercules ... 50%

Catches and Turns—
Cupboard Catches ... 70&10&10%
Transom Catches ... 60%
Cupboard Turns ... 60%
Closet Catches ... 70&10%
Screen Door Latches ... 70%
Screen Door Catches ... 50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches ... 50%

Cattle Leaders—
Coverts Saddlery Works ... 33⅓&5%
Humason, Beckley & Co.'s ... 70&10@70&10&10%
Sargent's ... 70&10@70&10&10%
Seymour Smith & Sons ... 30%
Peck, Stow & W. Co. ... 66⅔&5%
COW TIES—
American ... 60&10%
Triumph ... 33⅓&5%
Covert's Horse and Cattle:
Jute ... 33⅓&5%
Manilla ... 33⅓&5%
Sisal ... 33⅓&5%

Chain—
Trace, 6½-10-2, ℔ pair, $1.03 ... 60&10%
Trace, 6½-10-3, ℔ pair 92c ... 60%
Trace, 7-10-2, ℔ pair $1.11 ... 60%
Log, Fifth Stretcher, other fancy Chains ... 60&10&5@60&10&10&5%
German Coil ... 60&10%
German Halter Chain ... 60&10%
Oneida Halter Chain ... 60@60&5%
Covert's Rein Chains ... 33⅓&5%
Covert's Breast Chains ... 33⅓&5%
Covert's Hitching Chains ... 33⅓&5%
Galvanized Pump Chain ... ℔ 6c
Jack Chain, Iron ... 75@75&5%
Jack Chain, Brass ... 60%
Plumbers ... 60%

Cherry Stoners—
Enterprise ... 25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W. ... 80@80&10%
New Haven ... 80@80&10%
Witherby ... 80@80&10%
Mix ... 80@80&10%
C. E. Jennings & Co. ... 25%
Douglass ... 75@75&10%
Buck Bros ... 30%
Merrill ... 60&10@60&10&10%
Jennings & Griffin Mfg. Co. ... 60%
Hinsdale ... 75&5%
L. & I. J. White ... 30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers' ... 40&10%
Butchers' ... $4.75@$5.00 to £
Spear & Jackson's ... $5 to £
Buck Bros ... 30%
C. E. Jennings & Co. ... 20%
Jennings & Griffin Mfg. Co. Drawing Knives ... 70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge ... 40%
Cold ... 60%
Box ... 60&10%

Chucks—
Beach Pat. ... each 3.00 ... 20%
Morse's Adjustable, each $7.00 ... 20@30&5%
Danbury ... each $6.00 ... 30@30&5%
Syracuse, Balz Pat. ... 30%
Skinner's Pat. Drill Chucks ... 30%
Skinner's Ind't Lathe Chucks ... 30%
Skinner's Pat. Comb. Chuck ... 40%
Drill ... 30%
Star ... 25%
Barber ... 25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50. 25%
Combination ... 40%
Universal ... 40%
Independent ... 40%
Whiton's
Combination ... 40%
Independent ... 50%
Cushman's:
Combination ... 40%
Independent ... 50%

Clamps—
R. I. Tool Co.'s Wrought Iron ... 25%
Adjustable, Cincinnati ... 25&10%
Adjustable, Hammers ... 15@15&5%
Cabinet Makers, Sargent's ... 70&10%
Carriage Makers', Sargent's ... 75@75&5%
Carriage Makers' P. S. & W. Co. ... 40&10%
Eberhard Mfg. Co. ... 40&5@40&10%
Warner's ... 40&10@40&10&5%
Carpenters', Cincinnati ... 15%

Cleavers—
Foster's ... 30%
Jennings & Griffin ... 40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper) ... $3.50 ... 25%
Clarke's (Imported) ... 3.50 ... 25%
Albion L (for left hand) ... 3.50 ... 25%
Foxhall ... 3.50 ... 25%
Autocrat (centre fly nut) ... 3.50 ... 25%
Peerless (horse toilet) ... 4.00 ... 25%
Newmarket ... 2.50 ... 25%
Triumph (Ball bearing, horse toilet ... 4.00 ... 25%
Keystone (Ball bearing, centre fly nut ... 5.00 ... 25%
American (double cutting plate) ... 5.00 ... 25%
Lexington ... 3.50 ... 25%
Advance ... 2.50 ... 25%
Globe Reversible (Ball bearing) ... 6.00 ... 25%
Republic ... 3.75 ... 25%
Double Diamond (reversible plate) ... 5.00 ... 25%
Dictator ... 3.50 ... 25%
Empire ... 3.75 ... 25%
Regent Toilet (for horse) ... 3.00 ... 25%
La Belle Toilet (for horse) ... 3.00 ... 25%

Clips—
Norway Axle ... 70@70&5%
Spring Bar Clips ... 60&10&10@ 0%
Superior Axle Clips ... 70@70&5%

Coffee Mills—
Box and Side ... 60@60&10%
Am. Enterprise Mfg. Co. ... 25%
The Swift, Lane Bros. ... 30%
Wapdell's New Box Mills, Ideal Brand, New List ... 60@60&10%
Logan & Strobridge Iron Co. ... 60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers ... 65%
Brown & Sharpe Micrometer ... 25&10%
Calipers, Wing ... 60%
Inside or Outside ... 65%
Double ... 65%
Call's Pat. Inside ... 55%
Stevens's "Ideal" ... 25%
Stevens's "Leader" ... 55%
Starrett's Fay's Patent Spring Calipers and Dividers ... 25%
Wright's Graduating ... 15%
Brown & Sharpe ... 20%
Wm. Johnson's:
Wing Dividers ... 75%
Extension Dividers ... 40%
Wing Calipers ... 70%
Inside, Outside and Double ... 70%
Registering ... 50%

Coopers' Tools—
Bradley's ... 20%
Barton's ... 20@20&5%
L. & I. J. White ... 20&5%
Albertson Mfg. Co. ... 25%
Beatty's ... 33⅓%
Sandusky Tool Co. ... 25&10@30&10%
Shaves, Cincinnati Tool Co. ... 20%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
Williamson's ... 33⅓%
Detroit Cork-Screw Co. ... 33⅓%
Howe Bros. & Hulbert ... 35%
Samson ... ℔ doz $10.00

Corn Huskers—
Hubbard's Solid Steel. ℔ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ℔ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ℔ gro. $8.00; R, ℔ gro. $20.00.
Wrist Supporters ... ℔ doz. 75c
Mittens ... ℔ doz. $1.50
Ashtabula ... ℔ gro. $2.50
Brinkerhoffs ... ℔ gro. $15.00
Buckeye ... ℔ gro. $4.00
Cleveland ... ℔ gro. $7.50
Johnson's ... ℔ gro. $6.50
Universal ... ℔ gro. $15.00

Corn Knives and Cutters—
Bradley's ... 10%
Wadsworth's ... 25@25&10%

Counter Sinks—
Adjustable ... 20%
Shepardson's Diamond ... 40@45%
Einwachters ... 60&10%
Wheeler's Patent ... 40%

Crayons—
Sargent's List ... 20%
Dixon's
Eclipse ... ℔ gro. $3.75
Emerald ... ℔ gro. 5.00
Oriole ... ℔ gro. 5.00
Rainbow ... ℔ gro. 2.31
Solid ... ℔ gro. 7.50

Curry Combs—
Spring, Jap'd ℔ doz. $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, ℔ doz. $7.50 ... 20%
Perfect ... 33⅓

F. E. Kohler & Co.'s Magic Oscillating ... ℔ doz. 2.00
F. E. Kohler & Co.'s Humane ... ℔ doz. $1.75
Gibbs' Magnetic per doz. net ... $1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5 inches $1.00 $1.13 $1.25
5½ 6 7 inches $1.38 $1.50 $2.00, doz. ... 40&10%
Nickeled Shank 4 4½ inches $1.35 $1.48 $1.60
5½ 6 7 inches $1.73 $1.85 $2.35, doz. ... 40&10%
Buffalo Damper Clips ... 40&10%
Crown Damper ... 40%
Excelsior ... 40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. ... 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment) ... 40%
Leather (full assortment) ... 50&10%
Medford Fancy Goods Co. list ... 40%
Keystone Mfg. Co.:
Low List ... 50%
Leather Muzzles ... 50&10%

Door Checks—
Bardsley's ... 20%
Sargent's Eclipse ... 55%
Shaw's ... 40%
Unity F. G. ... 50%

Door Openers, Electric—
Electric Door Opener, complete. $9 ... 50&10%
Thaxter Electric Lock, list ... $25.00
SPARK COIL—
Stanley & Patterson $4.00 ... 50%
Stanley & Patterson "Daisy" ... $1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1892 ... 33⅓&5%

Door Springs—
Torrey's Rod, regular size ℔ doz $1.40
Bee Rod ℔ gr., $20.00 ... 20%
Warner's ... 5@5&5%
Gem (Coil), list April 19, 1886 ... 20& 20%
Star (Coil), list April 19, 1886 ... 20&10%
Foster's (Coil) ... 20%
Champion (Coil) ... 55&10@55&10&5%
Cowell's No. 1, ℔ doz, $18.00; No. 2, $15.00 ... 50@50&10%
Rubber, complete, ℔ doz. $5.50. ... 66⅔@70%

Drawer Pulls—
Sargent's List ... 60%

Drawing Knives—
Witherby ... 80@80&10%
Jennings & Griffin ... 80@80&10%
P. S. & W. ... 80@80&10%
Mix ... 80@80&10%
New Haven ... 80@80&10%
Merrill ... 60&10@60&10&10%
Douglass ... 75@75&10%
Watrous ... 15&10@25%
L. & I. J. White ... 2 &5@25%
Bradley's ... 35%
Adjustable Handle ... 25@33⅓%
Wilkinson's Folding ... 25@25&5%
Hinsdale ... 75&5%

Drills and Drill Stocks—
Blacksmiths' ... each $2.25
Breast, P. S. & W. ... 33⅓&10%
Breast, Wilson's ... 30&5%
Breast, Millers Falls ... 25%
Breast, Bartholomew's ... each $2.50 ... 25&10@40%
Ratchet, Merrill's ... 20@20&5%
Ratchet, Ingersoll's ... 25%
Ratchet, Packer's ... 65%
Ratchet, Whitney's ... 20&10%
Ratchet, Weston's ... 20@25%
Ratchet, Moore's Triple Act. 25@30%
Ratchet, Billings' Dble. Acting ... 33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00 ... 20&10%
Wilson's Drill Stocks ... 10%
Automatic Boring Tools ... $2.00, 25%
Stearns' Bench ... 60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover ... ℔ doz $3.00 .. 60%
National, ℔ doz $4.50 ... 33⅓&5%
Family (T. & S. Mfg. Co.) ℔ gro $17.00 @$18.00
Duplex (Standard Co.) ... ℔ doz $1.25
Rival (Standard Co.) ... ℔ doz $1.00
Duplex Extra Heavy (Standard Co.) ℔ doz $3.50
Triumph (T. & S. Mfg. Co.), ℔ gro $10.50 $11.00
Ayre's Spiral ... ℔ gro $ 5.00
Paine, Diehl & Co.'s Keystone ... 33⅓&5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF F FF.
Kegs, ℔ lb.	4½c	5c	2¾c
½ kegs, ℔ lb.	4¾c	5¼c	2¾c
¼ kegs, ℔ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890 ... 60%
Brass ... 65%

Enameline—
No. 4, ℔ gro ... $4.50
No. 6, ℔ gro ... $7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890 ... 60%
Brass Thread ... 65%
Wood ... 25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key ... 40%
IXL., 1st quality, Cork Lined ... 50%

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Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cook.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....20%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt ...	$3.00	$3.75	$4.00
Dairy Pails, 14 qt.	3.33..	4.00	
Fire Pails, No. 2, 14 qt. $4 00	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6.50		
Slop Jars (bal. trap), No. 5 and 5x, 14 qt ...	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt...	5.50	6.50	7.50
Commoee Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)..	1.90	2.80	2.80
" (13½ inch)	2.80	2.80	3.30
Wash Bowls.....		3.50	4 00
Pitchers.....		5.00	5.50
Milk Pans (Old Gold, in No. 5).....		2.00	2.50
Fruit Bowls.....		1.90	2.10
Keelers, 11½ inch.....		2.80	3.30
Waste Paper Baskets, 13 inch high.....		4.00	4.50
Mats, 8½ inch (for table use).....	1.00	1.20	1.40
Mats, 15 inch (for cuspidores, etc.....	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3.50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high.....		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed).....	3.50	4.00	4.50
Spittoons, 10 1nd 11½ inch.....	4.50	5.00	5.50
Peck Measures.....	3.00		
Half Peck Measures...	2.50		

Files—

DOMESTIC—

Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c 60@60&10%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagle.....60&10&10@70%
American.....60&10&5@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't&5010%

IMPORTED—

Moss & Gamble, List April 1, 1883, 15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—

Seed's Water Filters...$3 doz. net; $36 gross net.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Scissors—

List.....45%

Fly Fans—

Columbia.....10%
Fowlers ₩ doz.....$1.00
Keyless M. & I. Co. ₩ doz.....$21.60

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Ohio.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....30%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fry Pans—

Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25

No.....	5	6	7	8
₩ doz.....	$6.00	$7.00	$8.00	$9.00

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stube' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $3.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&25&5%

Glue Pots—

Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....60&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Saddlery Works, List 1893.
Rope, ½ in. Jute.....
Rope, ½ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 40%

Upson & Wooding.....40%

Hammers—

HANDLED HAMMERS—

Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
Fayette R. Plumb.....
} 40&10@50&10%

C. Hammond & Son, List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ₩ dos.....
Nos. 1, $3; 2, $2.....33⅓%
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔...₩ ℔ 45c
3 to 5 ℔.....₩ ℔ 35c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c

Wilkinson's Smiths...10½c@11c ₩ ℔

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.15	1.35	1.50

60&10&10%

Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES.—

Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ₩ gr 4.50 } 30@
" Firmer Chisel, large ₩ gr 5.00 }
Apple Firmer Chisel, as.. ₩ gr 5.00 } 30@
Apple Firmer Chisel, large ₩ gr 6.00 }
Socket Firmer Chisel, as. ₩ gr 3.00
Worcester Leather Cap'd Chisel.25%
File, assorted..... ₩ gr 2.75 }
Auger, assorted ... ₩ gr 5.00 } 30@
Auger, large..... ₩ gr 7.00 } 30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'.... ₩ set $1.25
Pat. Auger, Swan's..... ₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—

Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—

Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&5%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal.....50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $26.00; 6, $24.00.....50&15%
Felix, ₩ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge 25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning. Mfrs' price ₩ doz $18.00, 45%
Gem.....₩ doz $10
Wadsworth's.....40%
Carter's Needle..₩ doz $11.50@$13.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T.....60%
Corrugated Strap and T.....80%
Hart's Pat. Heavy Strap.....80%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Weld ed Hood... { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. { ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔.....$4.75

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....60&10%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....30%
Acme.....30%
T. S.....35&10%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.00
New Idea ₩ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting...35@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@20%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....60%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....20%
Rubber.....66⅔%

GATE HINGES—

Western.....₩ doz $4.40, 60%
N. E.....₩ doz $7.00, 55%
N. E. Reversible. ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....₩ doz $5.00, 55&10%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—

Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&5%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 2, 5, 40 and 50.....30%
Clark's Mortise Gravity.....30%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....30%
Buffalo.....30%
Clark's Genuine Pattern.....30%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&5%

Hoes—

HANDLED—

Garden, Mortar, &c.....70%
Planter's Cotton, &c.....70%
Warren Hoe.....60%
Magic.....₩ doz $4.00
Dunlap's:
Boys' hoes.....₩ doz $3.00, 30%
Ladies' hoes.....₩ doz $3.00, 30%
Scuffle.....30%

EYE—

D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....35%
Ironclad Enameled-Ware..33⅓&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.

Reed & Barton.....
Meriden Britannia Co.....
Simpson, Hall, Miller & Co..
Rogers & Brother.....
} 40&5%

Hartford Silver-Plate Co. }
William Rogers Mfg. Co. } 40&5&5

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Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list. } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₱ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&5
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's: 8 in. $2.20 net; 10 in. $2.70 net ₱ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

	Nos.	6	7	8	9	10	
Putnam		23c	21c	20c	19c	18c	15%
American		9¾	9¾	9¾	9¾	9¾	net
Ausable		23c	23c	23c	24c	23c.	40&5&5&2½
Clinton Fin.		19c	17c	16c	15c	14c.	30&10%
Essex		26c	26c	25c	24c	23c.	40&10&5&2½
Lyra		19c	17c	16c	15c	14c.	40&10%
Snowden		19c	17c	16c	15c	14c.	40&10%
Vulcan		23c	21c	20c	19c	18c	35%
Northw't'n		26c	26c	25c	21c	20c.	25@25&5%
A. U.		25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.		25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.		25c	23c	23c	21c.	21c	40&10&5%
Champlain.		28c	26c	26c	24c	26c	40&5&5&2%
Saranac		23c	21c	20c	19c	18c.	40&5%
Champion		25c	23c	23c	21c	20c.	10&10&10%
Capewell		19c	18c	17c	16c	15c.	10&5%
Anchor		23c	21c	20c	19c	18c	35%
Western		23c	21c	20c	19c	18c	50%
Empire Bronsed							13@14c ₱ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Husking Gloves—
Blair Husking Glove Co.:
No. N R. G. Gloves...₱ doz. $12 00
No. 123 Gloves.....₱ doz. 4.50
No. 125 Gloves.....₱ doz. 6.00
No. 151 Gloves.....₱ doz. 9 00
No. 155 Gloves.....₱ doz. 8.01
No. 146 Gloves.....₱ doz. 9.00
No. 152 Gloves.....₱ doz. 7 50
No. 142 Gloves.....₱ doz. 7.00
No. 118 Gloves.....₱ doz. 6.00
No. 052 Gloves.....₱ doz. 8.00
No. 147 Gloves.....₱ doz. 4 50
Wrist Supporters.....₱ doz. .75
No. 160 Husking Pin..₱ gro. 7.00
No. 165 Husking Pin..₱ gro. 10 50
No. 170 Husking Pin..₱ doz. 2.00

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₱ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
See Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen..	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen..	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen..	$65.34	$79.20	$108.90	$136.62	
Each...	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen..		$14.40	$18.00	$20.64
Each...		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen..		$23.40	$27.00	$32.40
Each...		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₱ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₱ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔&5
Ames' Bread Knives. ₱ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₱ doz. $4.50; 14 in. ₱ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₱ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₱ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₱ doz. $12.00
Gibbs' Hustler.....net ₱ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₱ doz. $6.00 40&5@40&10%
Wood No. 2.....₱ doz. $3.00, 50%
Wood, Common....₱ doz. $1.70@1.75
Dunlap's Improved ₱ doz. $2.75..20%
Jennings' Star.....₱ doz. $2.75
The Boss.....₱ doz. $2.50
Dean's, Nos. 1, ₱ doz. $6.50; 2, $5.25 3, $4.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₱ doz $15.00, 40%
Berger Bros. ₱ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₱ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₱ gro.....25%
Mason's Linen.....33⅓
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₱ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 88 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 109 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....80%
No. 427.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓&5
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₱ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₱ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₱ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	23	32	42
Each	$3	$2.50	$4	$5	$15

Miles' Challenge ₱ doz...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₱ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₱ doz $36.00

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₱ doz $9.00
Giant, No. 1.....₱ doz $18.00, 10%
Giant, No. 2.....₱ doz $15.00, 10%
Pelican.....₱ doz $9.00, 25%
Lightning.....₱ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₱ gr. $4.00@$4.25
Round.....₱ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₱ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₱ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.

	Sq.	Hex.
Hot Pressed	5.50c	6.10c
Cold Punched	5.10c	5.20c
Cold Pressed C. & T.	4.80c	

In packages of 100 lb. add 1-10c ₱ lb net; in packages less than 100 lb. add ½c ₱ lb. net.
Tapped.....10%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ₱ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₱ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₱ gross.....$7.50
Indian Pond Red End, No. 1, ₱ gross.....7.00
Indian Pond Red End, No 2, ₱ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₱ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 1x1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₱ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₱ lb..... .70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₱ doz.....$12.00
6x2, " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x½ to 1½, ₱ lb..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5¼x1¾ to 2x¾ to 1, ₱ lb..... 2.80
No. 1, 5½ to 8x1¾ to 2x¾ to 1, ₱ lb..... 3.50
No. 1, 8 to 12x1¾ to 2½x¾ to 1¼, ₱ lb..... 4.00
Pike's Penknife Pieces No. 1, 3 to 4¾x1 to 1¼x½ to ⅝ ₱ lb..... 4.0

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .08
Washita Finish, about 8x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅛, ₩ lb..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅛, ₩ gross..... 8.00
Penknife Pieces, about 3⅛x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x¾ to 1 ₩ lb..... .10
Special Axe, 3½x1½x⅞ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8¼x2x1⅛, weight about 1¼ lb, ₩ lb..... .05
Large, 8¼ to 9x3½x2, weight about 2 lb, ₩ lb..... .05
Small table, 9 to 9¼x2½x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .30
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanising, per lb 70c.....40%
Boston "Phœnix" Red Sheet, per lb..... 50c.net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...25%
N. Y. B. & P. Co., 1846-Para....40&10%
N.Y.B. & P.Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....60&10%
Standard.....60&10%
Extra.....50&10%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard....₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute.....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ pos 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00.....30%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....30%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....30%
Miscellaneous.....25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..30&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to 2
Buck Bros.....30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & I. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....30&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....20%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stube'.....30%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6¼ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $36.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.30, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale, 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co.....60%
Levin Pruner, No. 1, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00₩ doz.25%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $18.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 19, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 2 5, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 424, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 572, Cyclone Tank Force Pump.....$ 7.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320. Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz..90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring and Check.....50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.25...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70@5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.75
Gibbs' Favorite.....net ₩ doz. $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 2. net ₩ doz. $5.30
Gibbs' Hustler, No. 0. net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4	
Per doz	$1.40	1.50	1.80	2.25	.30%
Boys' rakes..... ₩ doz $3.50					
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50.					25%

Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth, No $2.40; No. 2 $3.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £ net
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis Keil & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Norway, list July 1, '95.....60%
Coopers.....65%
Block.....65%
Carriage.....65%
Hame.....65%
Burrs.....65%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list.60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7¾c
Manilla, ⅜.....₩ lb 8¼c
Manilla, ¼ and 5-16.....₩ lb 8¾c
Sisal, 7-16 and larger....₩ lb 6¼c
Sisal, ⅜.....₩ lb 6¾c
Sisal, ¼ and 5-16.....₩ lb 6¾c
Sisal Lath Yarn, medium₩ lb 5¼c
Cotton Rope.....₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 5¼c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
1% for cash in 10 days.
Cotton Rope.....₩ lb 11@13c net
Jute Rope.....₩ lb 5@6c net

Rules—
Boxwood.....80%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$2.75
Self-heating.....₩ doz $8.00 net.
Self-heating Tailors' ₩ doz $16.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England.....8c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....20%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .75 net.
Outfits, No. 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net.....$8.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....60&5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—
Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—
Common.....₩ lb 10@11 c
Jute, good quality.....₩ lb 11c
White Cotton Braided, fair. ₩ lb 25c
Common Russia Sash.....₩ lb 16c
Patent Russia Sash.....₩ lb 15c
Cable Laid Italian Sash ₩ lb 33½c@35c
India Cable Laid Sash.....₩ lb 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....25%
B Quality, White.....40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26½c @ 28c
Sylvan Spring
Extra Braided White.....35c
Extra Braided Drab.....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
" Samson " White, Cotton.....35c
" Samson " Drab, Cotton.....42c
" Samson " Italian Hemp.....40c
" Samson " Linen.....56c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No.2,$8;℔ gro.33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15,'86.70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....℔ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated.....30c. ℔ foot
W. & McP. Hand.....25%
W.& McP.Champion X Cuts. Thin Back.....45&10%
W.& McP.ChampionXCuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W.M.& C.,Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $2.00 40%
C. E. Jennings & Co.....30%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00..... .....40&20%
Morrill's Cross-cuts Nos. 8 and 4, $23.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets, ℔ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....℔ doz. $12.00
Lloyd Acme...℔ doz., $15.00, 40&10%
Leopold.....℔ doz., $15.00, 50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped.$2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's.....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%

Scale Beams—
Scale Beams, List Jan. 12, '82..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....℔ doz., $4.00, 10%
Box, 2 Handle.....℔ doz., $6.00, 10%
Defiance Box & Ship.....20&5%
Foot.....50&10@60%
Ship Common.....℔ doz., $3.50 net
Ship, R. I. Tool. Co.....10%

Screens—
Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—
Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30&35%
Standard Oil.....35&40%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C.T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ℔ doz33⅓&2%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....℔ doz., 70@95c
Screw-Driver Bits,Parr's℔ gro.$6.25
Frary's Hol. Hdle. Sets, No. 3, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ℔ doz.....90c } 50%
Beauty, ℔ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—
WOOD SCREWS—List, July 1, '95.
Bright Flat Head Iron.....87½%
Br't R'd & Oval Head Iron.12½&10%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....87½%
Round Head Brass.....82½&10%
Flat Head Bronze.....82½&10%
R'd and Ovel Head Bronze..80&10%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....65%
Round Head Copper.....60
Rogers Drive Screws.....87½%

MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech.℔ doz $2.00@3.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H.& B.Mfg.Co.70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws,Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester. complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes, Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Seeders—
Enterprise Raisin.....25%

Shears—
Ætna, Steel Japanned.....30&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt.60%
American (Cast) Iron.....75&10&5%
Barnard's Lamp Trim'rs.℔ doz.$3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning.See Pr'ning H'ks& Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M.W. Co., list July, 1888.50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&
Sargent's list.....60&10&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Boss, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ ℔ 7½c
Perkins Improved Snow.....℔ ℔ 4c
MULE—
Add $1 ℔ keg to above prices.
OX, WROUGHT—
Ton lots.....℔ ℔ 9c
1000 ℔ lots.....℔ ℔ 9½c
500 ℔ lots.....℔ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....20%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&30%
Snow, D Handle, ℔ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Hunters.....℔ doz. $2.00

Slaw Cutters—
Enterprise.....25%

Slicers—
Enterprise Vegetable.....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd.70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps.
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list.70&10%
Solid Tube and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit.Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&10&10
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated..... } 80%
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓%&2% cash.
Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....33⅓%
American Cut Tacks.....62½%
Swedes Iron Tacks:
S. S.....62½%
Lanc.....57½
Upholsterers' Tacks:
S. S.....66⅔%
Lanc.....62½%
Gimp Tacks:
S. S.....66⅔%
Lanc.....62½%
Lace Tacks:
S. S.....6⅓%
Lanc.....57½%
Trimmers' Tacks:
S. S.....55%
Lanc.....50%
Looking Glass Tacks.....33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....62½%
Berry Box Tacks.....62½%

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Trunk Tacks:
S. S ..... 66⅔&5
Lanc ..... 62½&5
Miners' Tacks, S. S ..... 66⅔&5
Bill Posters' and Railroad Tacks:
S. S ..... 66⅔&5
Lanc ..... 62½&5
Brush Tacks and Nails:
S. S 55%
Lanc 5%
Hungarian Nails ..... 57½&5
Common and Patent Brads 50%
Finishing Nails ..... 57½&5
Trunk and Clout Nails ..... 57½&5
Basket Nails 50%
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓&2% cash.
F. H. Cobblers Nails:
4¼-8in., and shorter, ₩ 100 ℔ $20.60
⅝ in. and longer, ₩ 100 ℔ ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No. 18 & 19. 17 & heavier.
2 8&2¼-3 in. $60 00 $41.20
3-8&3¼-8 in. 51.50 35.15
4-8& longer, 41.20 33.45

MISCELLANEOUS—
Double Point ... 85&10@85&10&10%
Wire Carpet Nails. 60&10@60&10&10%
Bill Nye Brad Box $4.00
Bonnie Blue ..... ₩ box $1.50
Claw Handle Carpet ..... ₩ gr $4.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 50&2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks. 66⅔&33⅓&2%
Miniature Keg Tacks. 66⅔&33⅓&2%
Upholsterers' Nails ..... 50&10%

Tack Pullers—
Columbia, No. 1, per doz., net, ... $1
" " 2, " " ... 1.50

Taps—
American Screw Co.
Machine Screw 60%
Hand and Machine ..... 60&10%
Pipe 60%
Blacksmiths' Taper ..... 50&10%

Tin, Perforated—
Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1.20
6	$6.95	$1.15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) .20&2%
Snips, J. Mallinson & Co 33⅓%
Snips—"Clauss" 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897 ..70&10@70&10&10%

Trammel Points—
Cook's 25%
Stanley's ..... 30&10%
Tower & Lyon 33⅓%
Jennings "Eureka" 20%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track $3.25
Comb., Car., Wood Track $3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps. ₩ ft ..... .09
Single Rail Steel Track with clamps, ₩ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1 50
Walker Fork, each $1.15
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each ... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz $2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz. $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz $1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 496, ₩ doz $2.00
Floor Hooks, ¾ in. ₩ doz ..... .85
Hanging Hooks for Double Steel Track, ₩ doz ..... .60
Hanging Hooks for Single Steel Track, ₩ doz ..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz ..... .45
Hanging Hooks for Wood Track, 14 in. ₩ doz ..... .55
Wrought Rafter Brackets, ₩ doz ..... .45
Malleable Rafter Brackets, ₩ doz ..... .45
Rope Hitch, ₩ doz $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida:
Newhouse ..... 40&10%
Hawley & Norton ..... 70&5%
Victor ..... 70&10&5%
All Steel 75%
Star ..... 50&10%
Blake's Patent ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole ..... 30@10%
S.T ..... ₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 2%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza ..... ₩ gr $10.00
Mouse, Ideal ..... ₩ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer ..... ₩ gr $9.50
Rat, Keystone ..... ₩ gr $10.00
Rat, Exterminator ..... ₩ gr $12.00
Rat, Decoy ..... ₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse 50%
Improved Rat 40%
New Rat 40%
Schuyler:
Mouse, ₩ gross $18.00 ..... 50%
Rat, ₩ gross $30.00 ..... 50%
Household ..... ₩ gr $10.00
Erie Rat 50%
FLY—
Balloon ..... ₩ gr. $13.50
Electric Rod ..... ₩ gr. $16.50
Globe ..... ₩ gr. $13.50
Harper ..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering. .25%
Peace's Plastering 25%
W. & McP. Plastering. 25%
Richardson 25%
Rose's Brick ..... 15@20%
Brade's Brick 30%
Sargent's Garden, No. 1 ..... 70%
Sargent's Garden, No. 15 ..... 50%

Vises—
Solid Box ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' ..... 20@10%
Holland's ..... 40@45%
Parker's ..... 20@25%
Wilson's 55%
Alligator 50%
Howard's 40%
Massey's Quick Action ..... 20@25%
Bonney's ..... 40&10%
Millers Falls ..... 40@40&10%
Trenton ..... 40&5@40&10%
Morrill's ..... 15@20%
Sargent's 50%
Backus and Union 40%
Prentiss' ..... 20@25%
Simpson's Adjustable 40%
Moore's 30%
Little Giant Bench ..... 35&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15.00 .... 40&10%
Stearn's 40%
Stearn's Silent Saw Vises .... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ dos. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $3.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $3.00 to $12.00
Whalebone ... ₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co 40%
Clayton's ..... 25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%

Market:
Brt. & Ann., Nos. 0 to 18 ..... 72½%
Cop'd, Nos. 0 to 18 ..... 70%
Galv., Nos. 0 to 18 ..... 62½%
Tin'd, Tinned list Nos. 0 to 18. 62½%
Tinned Broom Wire .... 5¼c net
Galvanised Fence 65%
Malin's Annealed and Tinned on Spools ..... 60&5%
Malin's Brass and Copper on Spools ..... 50&5%
Annealed Fence, Nos. 8 and 9 .... 75%
Annealed Grape, Nos. 10 to 14 .... 75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass 55%
Brass, list Jan. 18, 1884 ..... 20%
Copper, list Jan. 18, 1884 ..... 35%
Barb Fence ..... See Trade Report
Cast Steel Wire 50%
Stub's Steel Wire ..... $3.00 to $ 80%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted ..... 30&10%
Picture Wire ..... New list 60&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft. $1.45
Galvanised Wire Netting .... 50&10%
Brass Cloth ..... 40@55%
Steel Bolting Wire Cloth ..... 30@55

Wire Rope—
List, May 1, 1886.
Iron ..... 33⅓&2½%
Iron, Galvanised ..... 40&2½%
Cast-steel ..... 40&2½%

Wire Rope Clips—
Crosby 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy 50%
Alligator ..... 40&10%
Hercules 70%
American Adjustable 40%
Armstrong's 40%
Baxter's Adjustable "S" 60%
Baxter's Diagonal 60%
Coes' Genuine 50%
Coes' "Mechanics'." ..... 50&10&5%
Girard Standard 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought ..... 80&5%
Eagle Pipe 50%
Taylor Pipe and Nut 40%
Sullison Pipe 45%
Trimo Pipe ..... 50&10%
Wakefield Pipe and Nut 40%
Bemis & Call's:
Patent Combination Black. 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern ..... 30&10%
Cylinder Gas Pipe ..... 45&5%
No. 3 Pipe 55%
Aiken's Pocket (Bright) $6.00 .... 60%
Boardman's 30%
Always Ready ..... 33⅓@5%
Champion Carriage 40%
Donohue's Engineer 35%
Trimo Combination 40%
Cincinnati Tool Co:
Bit ..... 25&10%
Standard Brace ..... 25&10%
J. H. Williams 25%
Lowell Ratchet 33⅓%
Lowell Socket Bridge 20%
Lowell Lag Screw 25%
Yankee 45%
Expert Bicycle ..... 33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30, Erie, 11 inch	27.00
No. 55, King, 11 inch	38.28
No. 45, King, 10x1¾ inch	26.00
No. 65, King, 11x2 inch	32.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No 3. Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No 40, Prime, 10 inch	20.00
No. 50, Prime. 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99. Pittsburg, 11x2 inch	31.00
No. 33, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	33.00
Peerless Mfg. Co., List Feb. '92 2% cash	
Colby Wringer Co.:	
No. 10 Rolls, 10x1¾ inches	21.00
No. 11 Rolls, 11x1¾ inches	25.00
No. 12 Rolls, 12x1¾ inches	29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 57c
Linseed, City, Boiled, " ₩ gal. 6 c
Out of Town on Spot ..... ₩ gal. 56c
Calcutta, Raw, in bbls .... ₩ gal. 56c
Lard ..... 65@6 85

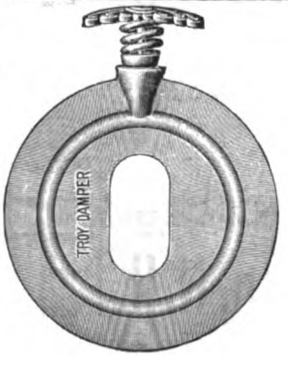
Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$23 00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ ℔ 5 @5½c
White Lead, American, in Oil, ₩ ℔ ..... 5 @5½c
White Lead, English, in Oil, ₩ ℔ 5½@7 c
Litharge, American Powdered, ₩ ℔ ..... 4½@4¾c
Litharge, English Flake, ₩ ℔ 8½@9 c
Litharge, Glassmakers', ₩ ℔ 5½@6 c
Zinc, American, Extra Dry, ₩ ℔ 3¼@4¼c

Putty—
Putty in Bulk ..... $1.45@$1.75
Putty in Bladders ..... $1.65@$2 00
Putty in Tins ..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal 33c

Colors in Oil—
Black Coach Japan ₩ ℔ .. 18½@20 c
Black Coach Japan in Oil ..... ₩ ℔ 12 @13 c
Black Drop ..... ₩ ℔ 7½@10 c
Black Lampblack, prime, ₩ ℔ 27½@33 c
Black Lampblack, medium ..... ₩ ℔ 15 @20 c
Black Lampblack, 2d quality ..... ₩ ℔ 18 @19
Black, Lampblack, low grade ..... ₩ ℔ 6½@10 c
Blue, Chinese ..... ₩ ℔ 35 @40 c
Blue, Prussian ..... ₩ ℔ 20 @40 c
Blue, Ultramarine .. ₩ ℔ 13 @16 c
Brown, Sienna, bur't ₩ ℔ 7 @10 c
Brown, Sienna, raw. ₩ ℔ 7 @10 c
Brown, Umber, bur't ₩ ℔ 7 @10 c
Brown, Umber, raw. ₩ ℔ 7 @10 c
Brown, Vandyke .... ₩ ℔ 7 @11 c
Green, Chrome ..... ₩ ℔ 8 @14 c
Green, Paris ..... ₩ ℔ 16 @18½c
Red, Indian ..... ₩ ℔ 12 @15 c
Red, Venetian ..... ₩ ℔ 4½@ 8 c
Yellow, Chrome ..... ₩ ℔ 13 @18 c
Yellow, Ocher, Fr'ch ₩ ℔ 4½ c

TROY DAMPER.
MADE OF
18 GAUGE STEEL.
All Defects in other Dampers removed in this one.
TIME TESTED.
ONE HOLE IN PIPE.
Send for Sample and Prices.



16 Patents.
TROY NICKEL WORKS, TROY, N.Y.



ORIGINATORS
ALASKA
STOVE HARDWARE

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THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, 222 to 240 No. Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.



Revolution in Washing Machines.

Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co., 213-223 West Third St., Cincinnati, Ohio.



The Sterling Emery Wheel Mfg. Co., Tiffin, O.

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New York.

CUTTER, WOOD & STEVENS,

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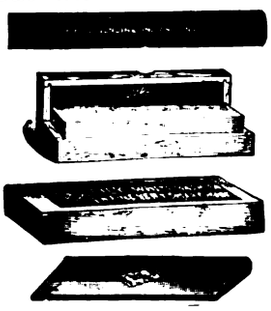
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John H. Graham & Co., New York.

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Underhill, Clinch & Co., N. Y.

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Stanley Rule & Level Co., New Britain Conn, New York.

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Enterprise Mfg. Co., Philadelphia

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John Chatillon & Sons, New York.
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Union Hardware Co., Torrington Conn.

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Enterprise Mfg. Co. of Philadelphia, Philadelphia.

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Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

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J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

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John Chatillon & Sons, New York.
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Geauga Fdy. & Mfg. Co., Painesville, O.

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J. L. Prescott & Co., New York.

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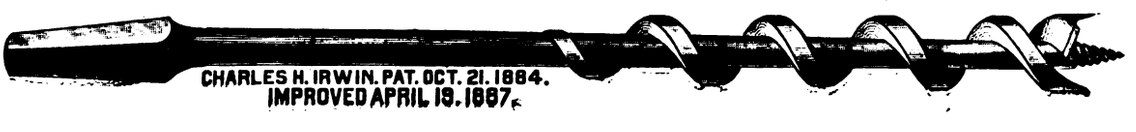
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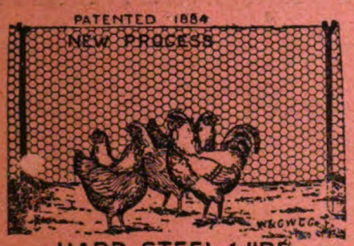
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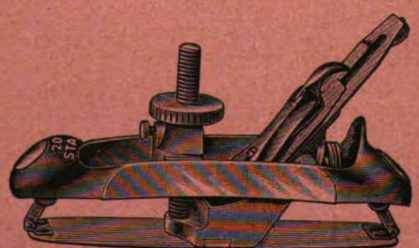
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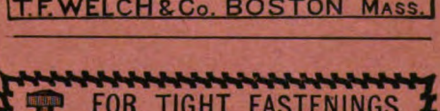
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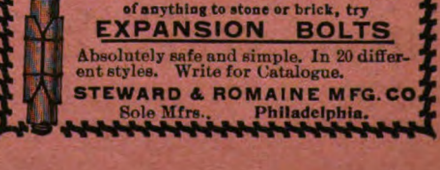
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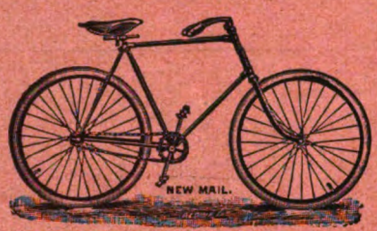
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VOL. XI. No. 8. New York, July 25, 1895. $1.00 A YEAR.

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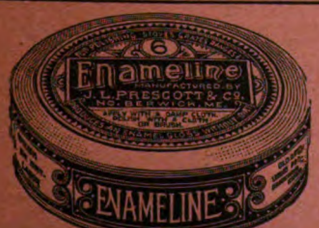
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Send for Samples **Samson Cordage Works,** BOSTON MASS.



A Perfect Stove Polish. Dustless. Odorless. Guaranteed to the Trade.

Its strength is uniform and quality always the same.

"DODD'S" LIQUID GLUE.

It gives perfect satisfaction.

A. W. DODD & CO., Gloucester, Mass.

C. E. JENNINGS & CO.'S HAND SAWS.

These saws are a trifle higher in price, but are being adopted by all Mechanics who use high grade tools.



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Fuller Brothers & Co.,

139 GREENWICH STREET,
NEW YORK.

STEEL WIRE NAILS.

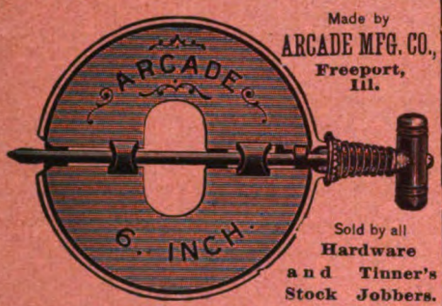
Iron and Steel

CUT NAILS.

Plain and Galvanized Wire.

BARB WIRE.

Wire Straightened and Cut to length.



Made by
ARCADE MFG. CO.,
Freeport,
Ill.

Sold by all
Hardware
and Tinner's
Stock Jobbers.

BRUCE R. WARE & CO.,

200 S. Devonshire Street, BOSTON, MASS.

MANUFACTURERS' AGENTS,

Twines, Marlines, Sash Cords,
Hammocks, Cotton Rope, Chalk Lines,
Clothes Lines, Hardware Paper, &c.

COLUMBIA WASHING MACHINE

Made of Best
Virginia White Cedar.
All Trimmings,
Casting, etc.,
Galvanized.

An Easy Seller.
Prices and
Catalogue
gladly sent on
application.

RICHMOND CEDAR WORKS,

MANUFACTURERS OF

WOODENWARE,

Mention HARDWARE. Richmond, Va.

LANE'S
PATENT STEEL BARN
DOOR HANGER.



ANTI-FRICTION.
MOST COMPLETE IN CONSTRUCTION.
MATERIAL THE BEST.
NO BREAKAGE.

Ease of Movement. Always in Order.

LANE'S Patent Noiseless Steel Parlor Door Hanger.

Hanger is made of steel throughout, including wheel except solid interior leather tread, causing to roll noiselessly.

Single Steel Track Instead of Double Wood Rail.

Ask Your Hardware Dealer and Send for Circular.



—MANUFACTURED BY—

LANE BROTHERS, Poughkeepsie, N.Y.

☞ See our adv. of

SAMSON ANVILS

On Page 47.

PRICES QUOTED ON APPLICATION.

VAN WAGONER & WILLIAMS HARDWARE CO.,

CLEVELAND, OHIO,

—AND—

14 Warren Street, NEW YORK.

High Grade

Buffing Wheels,

STANDARD GOODS AND SPECIALTIES.

The quality speaks for itself. We have the only plant in existence devoted exclusively to the manufacture of a full line of High Grade Buffing Wheels. Our Catalogue is an ornament to any office; a postal card secures it. "The quality controls the price."

DIVINE BROTHERS,
CHADWICKS, N. Y.

NOTICE.

GENTLEMEN:—On and after March 1st, the business heretofore conducted by me will be continued by a Company, to be known as

The Estey Wire Works Company.

Thanking you for favors received in the past, I bespeak a continuance of your patronage under the new organization and trust that the same pleasant relations existing between us may be continued.

Yours truly,

W. S. ESTEY.

As above announced we have succeeded to the business of W. S. ESTEY, and trust that we will merit a continuance of your valued orders as heretofore extended to Mr. W. S. Estey.

Yours truly,

ESTEY WIRE WORKS COMPANY
March 1, 1895. 65 Fulton St., New York.

SLEIGH BELLS

of every description.



THE CHAPMAN MFG. CO.,
MERIDEN, CONN.

The "Syracuse" Twist Drill Bit.



BEST FOR CARPENTERS AND BUILDERS BECAUSE:
Made of Best Steel. Hammer Refined. Accurate in size. Can be sharpened upon a grindstone. Does not Split the Wood. Will cut off nails. Will Enlarge a Hole without Plugging.

SYRACUSE TWIST DRILL CO., - SYRACUSE, N. Y.

Rhode Island Perkins Horse Shoe Co.,

Manufacturers of

HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

P. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.



WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

WILLIAMSON'S

NEW POWER CORK SCREW.

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:

KEEP ON TURNING, DO NOT PULL.

No. 1243. Nickel Plated, Applewood Handle .....$5.0 per doz.
" 1443 " " Rosewood " .....$7.50 " "

For Discounts and other Styles send for Catalogue.

C. T. WILLIAMSON WIRE NOVELTY CO.,
NEWARK, N. J.

Manufacturers of Wire Specialties for the Trade.

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ORANGE SPORTING POWDER, MANUFACTURED BY LAFLIN & RAND POWDER CO.

ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded **ORANGE RIFLE EXTRA.**

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

MILITARY, MINING AND BLASTING POWDER.

LAFLIN & RAND POWDER CO., - 99 Cedar Street, New York City.

BRANCH OFFICES:
CHICAGO, ILL. DUBUQUE, IA. CINCINNATI, O. NASHVILLE, TENN.
ST. LOUIS, MO. BALTIMORE, MD. PITTSBURGH, PA. DENVER, COLO.

In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

CHAS. J. STEBBINS.

NAILS

103 Reade Street.

NEW YORK.

Iron & Steel Cut Nails

STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

E. I. DU PONT, DE NEMOURS & CO.,

WILMINGTON, DELAWARE.

GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

Du Pont's Eagle Ducking.
Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

Du Pont's Rifle.
For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

Du Pont's Smokeless Powder.
Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

MILITARY POWDER AND ***GUN COTTON***
Of a quality to meet requirements of U. S. Army and Navy.

MINING AND BLASTING POWDER.

—Send Postal for Illustrated Catalogue.—



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WASHBURN & MOEN MFG. CO.'S Wire Rope.
BOSTON BELTING CO.'S Rubber Goods.
ALEXANDER BROS'. Oak Tanned Belting.
JARECKI MFG. CO.'S Steam Fittings, etc.
PEET VALVE CO.'S Valves.
ERICSSON Hot Air Pumping Engines.
Chicago Emery Wheels.
Black Diamond Files.
RUSSELL & ERWIN'S Screws.
P. & F. CORBIN'S Builders' Hardware.
LANDERS, FRARY & CLARK'S Table Cutlery.
GENEVA TOOL CO.'S Agricultural Tools.
SAMUEL WINSLOW SKATE MFG. CO.'S Ice Skates.

WRITE US FOR PRICES.

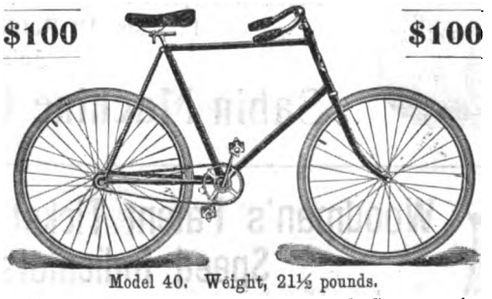
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146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

The Standard for the World.

COLUMBIA BICYCLES.

$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.
Unequalled—Unapproached.

POPE MANUFACTURING CO.,
Hartford, Conn.

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THRESHER BELTING

If "High Grade"

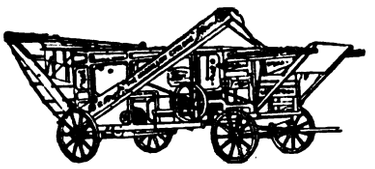


Trade Mark

This is the Belt.

Read the Guarantee

Will make an old machine run better



and a new one unnecessary. -:- -:-

To the Hardware and Implement Trade.

Write to

CLEVELAND RUBBER WORKS,

Of the Mechanical Rubber Co.,

CLEVELAND, OHIO.

REPAUNO CHEMICAL CO.,

MANUFACTURERS

ATLAS AND JUDSON POWDERS

AND

REPAUNO GELATINE.

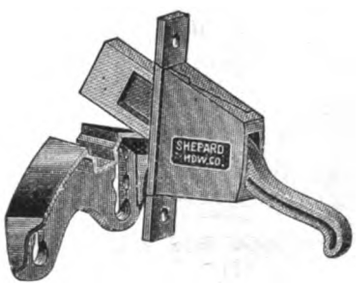
A FUMELESS EXPLOSIVE FOR TUNNEL WORK.

Our High Explosives are Standard and Guaranteed to run Uniform.

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BRANCH OFFICES: BOSTON: 18 Broad St. ATLANTA: Equitable Buildg. ST. LOUIS: Wainright Building. JOPLIN: 4th & Joplin Sts. DENVER: 1632 17th St. NEW YORK: 26 Cortland St. CHICAGO: 1321 Monadnock Block. CLEVELAND: Cuyahoga Building.

"THEY TAKE THEM ON SIGHT."



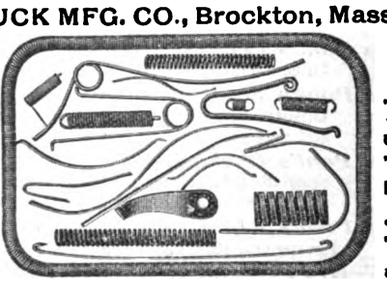
That's how a large Hardware dealer describes the appreciation of his customers in regard to our **Gate Hinges** and **Latches, Blind** and **Shutter Hinges,** and **Frame Pulleys** of the **"Original" Clark** and other patterns formerly sold by the **Shepard Hardware Co.,** of Buffalo, N. Y., whose business in these lines we have acquired by purchase.

☞We are the SOLE Manufacturers.

THE WRIGHTSVILLE HARDWARE CO., - - WRIGHTSVILLE, PA.

TUCK MFG. CO., Brockton, Mass.

Springs, Tools & Cutlery.



Send for Tool Catalogue.

Tempered Springs of all kinds.



HENDRY'S ANTI-RATTLER THILL COUPLING SPRING.

Best Metal Spring: Adapted to any Coupling: Holds the Shaft: Prevents All Rattling: Lasts: Easily Adjusted.

Sabin Machine Co., Montpelier, Vt.



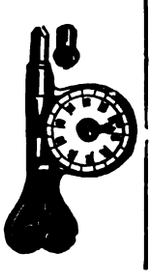
Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,

63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—



PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

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to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, **15 Park Row, New York.**

IMPROVED

Tack, Shoe and Wire Nail

MACHINERY,

KIMBAL BROS. & CO., Mfrs.,

Send for Prices. BROCKTON, MASS

Any size or style. Send for Catalogue.

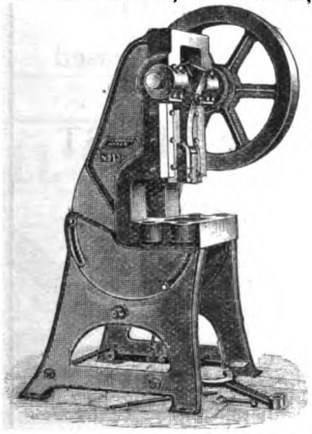
Special Discount to the Hardware Trade.

BOSTON GEAR WORKS

42 Hartford Street,

(FRANK BURGESS, PROPRIETOR.) **Boston, Mass.**

FRANK WHEELER & SON, MERIDEN, CONN.



ROLLING MILLS, DIES, TROLLEYS, AND SPECIAL MACHINERY.

BUILDERS of the new Wheeler Power Presses, containing Wheeler's patent adjustment and clutch mechanism. If you are thinking of buying anything in this line it will pay you to write to us for prices and particulars.

"THE BALL DOES IT ALL!"



No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .

A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.



No. 5. ¾ inch Ball Nozzle. For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



No. 3. ¾ inch Combination Ball Nozzle.



No. 4. ¾ inch. Combination Ball Nozzle.

NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

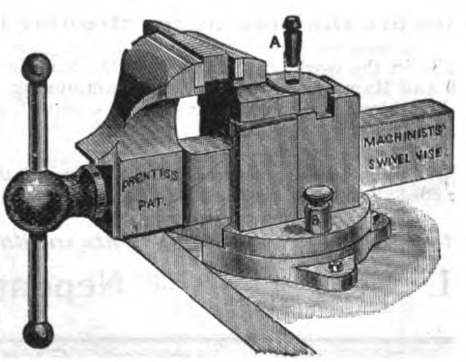
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BALL NOZZLE MANUFACTURED SOLELY BY

AMERICAN BALL NOZZLE COMPANY,

837-847 BROADWAY, NEW YORK.

Branch House:—325 SUTTER ST., SAN FRANCISCO, CAL.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

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OF NEW YORK.

J. H. GILES, Gen. Manager.

THIS Agency furnishes the means to business men that will enable them to know whom NOT TO TRUST.

Reliable correspondents in all cities and towns in the United States.

Hardware Collections a Specialty.

Tribune Building, New York.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass

Wm. H. Belcher,

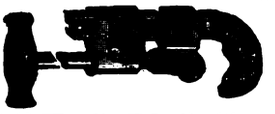
62 Reade St., New York.

Manufacturer and Importer,

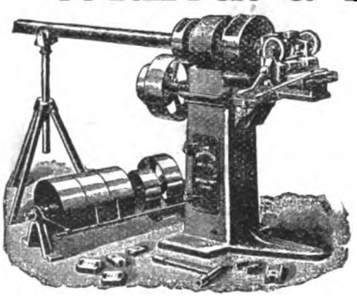
RULES, YARD STICKS, TAILORS' SQUARES, GAUGERS IMPLEMENTS, SHRINKAGE RULES, SHOE SIZESTICKS, GLASS CUTTERS' RULES, STRAIGHT EDGES, &c.

YOUR STOCK IS NOT COMPLETE

Without a Line of



"ARMSTRONG"



No 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



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COPPER NAILS & TACKS.

PRICES NO HIGHER. PROMPT SHIPMENTS.

CLENDENIN BROS., - BALTIMORE, MD.



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Against sneak thievery by the use of

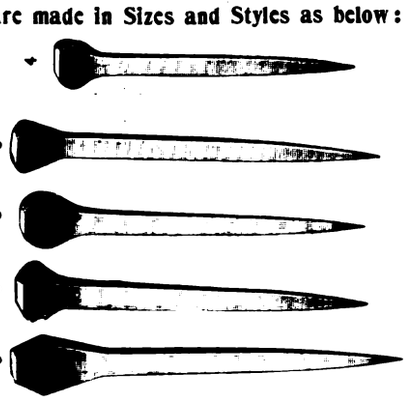
Shepardson's Key-Hole and Baggage Guard.

Sample by mail 75 cents. Illustrated circular and price list sent on application.

KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

The PUTNAM Hot-Forged and Hammer-Pointed Horse NAILS

Are made in Sizes and Styles as below:



TURF NAILS, Nos. 1 to 5.

FRENCH HEADS, for punched shoes without creases, Nos. 3 to 7.

REGULAR HEADS, Nos. 5 to 14.

CITY HEADS, for shallow creased shoes, Nos. 5 to 9.

COUNTER HEADS, or FROST NAILS, Nos. 5 to 9.

Prices of these styles are the same as for Regular Heads of the same size.

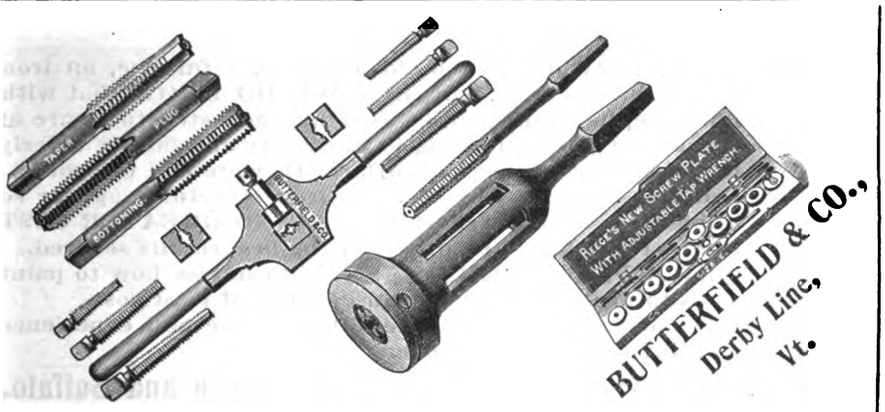
The **only** Horseshoe nails in the world made precisely the same as the old-fashioned, hand process, being exclusively **Hot Forged and Hammer-Pointed.** This **hammering** (not pressing, rolling or shearing) while the metal is at welding heat blends all the particles into a compact, firm nail that outwears all others and will **Never Split, Sliver or Break.** *They are not sheared but have smooth edges clear to the point.*

The attempts of other manufacturers, in their advertising, to identify their product with the Putnam Nail leads us to state that the PUTNAM NAIL is made SOLELY by us in the ONLY RATIONAL WAY a GOOD horsenail can be produced.

Nickel-plated Mascot Ring for 10 Cents in Stamps or Silver.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

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MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

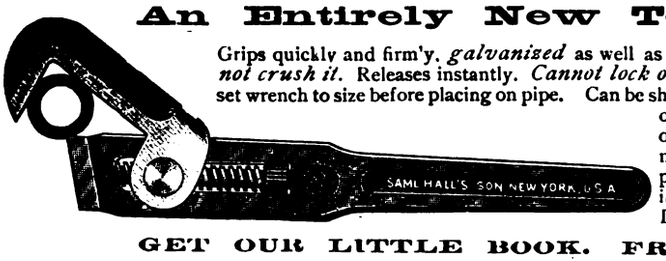
Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Earle's Hotel) **NEW YORK.**



HALL'S IMPROVED PIPE WRENCH.

An Entirely New Tool.



Grips quickly and firmly, *galvanized* as well as other pipe, *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

GET OUR LITTLE BOOK. FREE.

SAMUEL HALL'S SON, 229 WEST TENTH STREET, NEW YORK.

WIRE & IRON WORK.



FENCING, OFFICE RAILINGS, WINDOW GUARDS, STABLE FIXTURES, ETC.

GRAVE GUARD.

RESERVOIR VASES.

IT WILL PAY YOU TO HANDLE THEM.

LAWN FURNITURE, FOUNTAINS. STATUARY.

ROOF CRESTING.



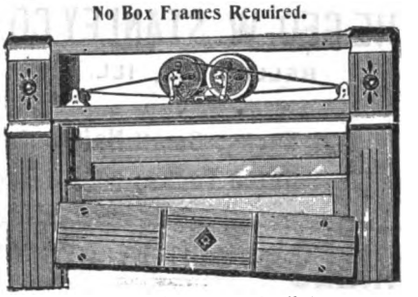
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E. T. BARNUM,

DETROIT, MICH. RESERVOIR VASE

THE SECURITY SASH BALANCE.

No Box Frames Required.



The most simple, durable and efficient balance made. Weight of sash not essential when ordering balances. Specified by Architects, and recommended by Builders. For sale by the Hardware Trade generally. Manufactured by the

Richmond Safety Gate Co., Richmond, Ind.

We have no risk on the quality of We have only the Profit



Sand Papers IN Reams and Rolls — Flint Paper, Garnet Paper, Emery Paper, Emery Cloth

W.A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co

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97 BEEKMAN STREET, NEW YORK
140 MILK STREET, BOSTON
102 LAKE STREET, CHICAGO.

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FAMILY GRINDSTONES.

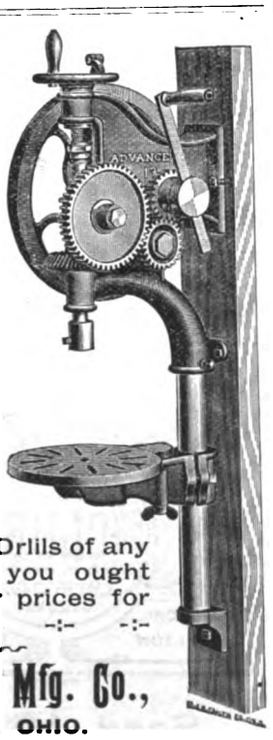
Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
Cleveland, O.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

DRILLS TO SUIT EVERYBODY



9 Sizes, New Styles, Low Prices. If

You handle Drills of any description you ought to have our prices for comparison. -:- -:-

The Silver Mfg. Co.,
SALEM, OHIO.

TIME WILL TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under like rock salt.

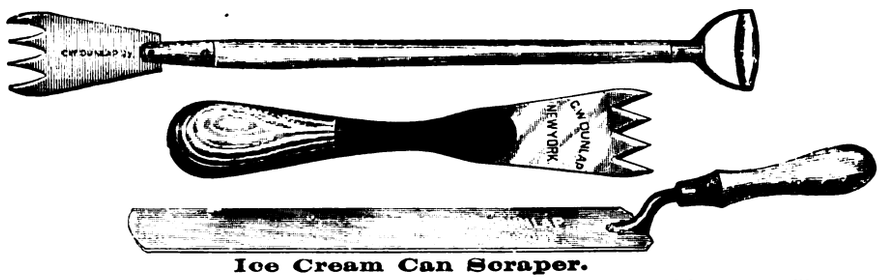
We do not know how to build a bridge, a furnace, an iron roof or a bessemer plant, BUT WE DO KNOW that with few exceptions the paints used on such structures are of the lowest grade, lacking in durability and failing utterly to preserve from rust the surfaces they pretend to protect; and this explains why so many iron structures appear so dilapidated in such a short time. AT NO GREATER COST the best paint may be used and the best results secured.

OUR SPECIAL BUSINESS is to advise how to paint so as to protect, preserve and beautify at least cost.

We place at your disposal our knowledge and experience and invite correspondence.

W. W. LAWRENCE & CO., - Pittsburgh and Buffalo.

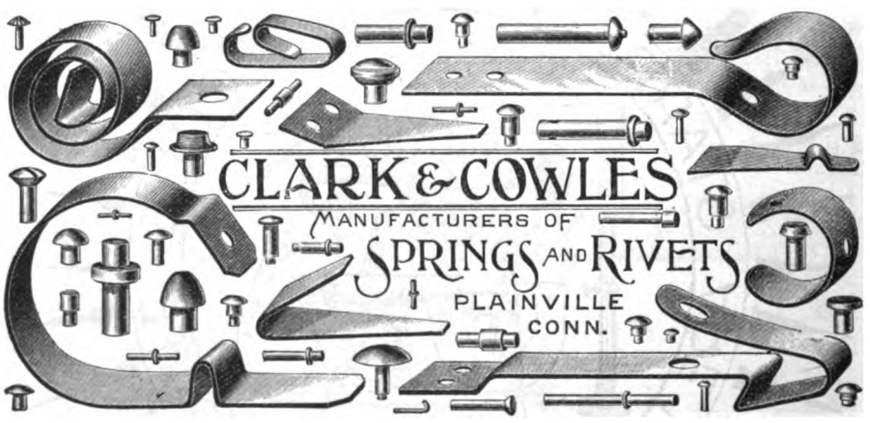
DUNLAP'S SUPERIOR ICE TOOLS



Ice Cream Can Scraper.

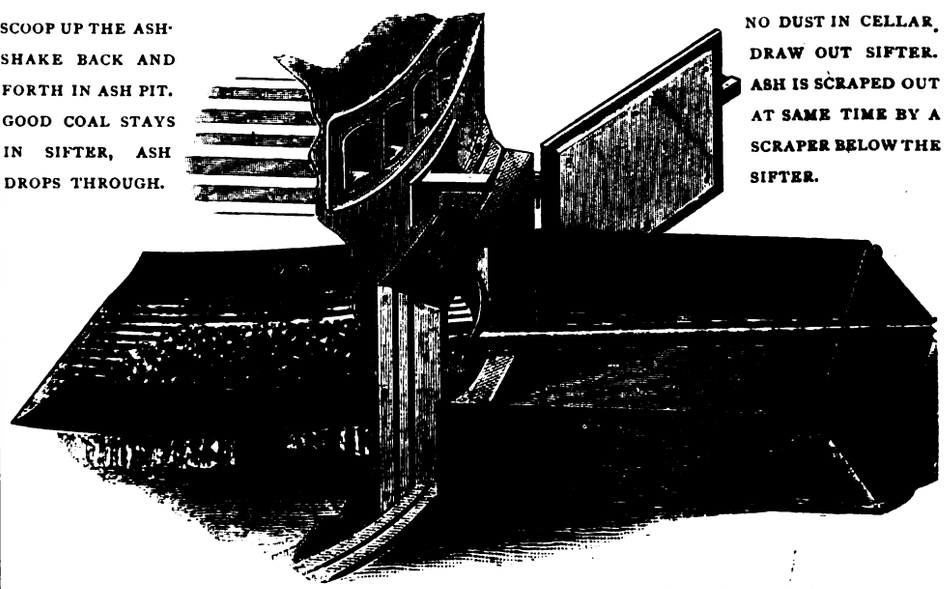
Blades made of Crucible Cast Steel, carefully hardened and tempered. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.



SCOOP UP THE ASH· SHAKE BACK AND FORTH IN ASH PIT. GOOD COAL STAYS IN SIFTER, ASH DROPS THROUGH.

NO DUST IN CELLAR. DRAW OUT SIFTER. ASH IS SCRAPED OUT AT SAME TIME BY A SCRAPER BELOW THE SIFTER.

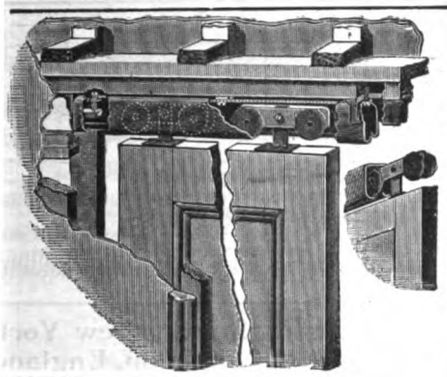


LACKAWANNA SIFTER

For Furnaces only. Is a scoop with slots, also a scraper beneath to bring out ash into a pan which we also make. No dust. All sifting is done in the ash pit. Write us.

THE LACKAWANNA SIFTER CO., Cleveland, Ohio.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

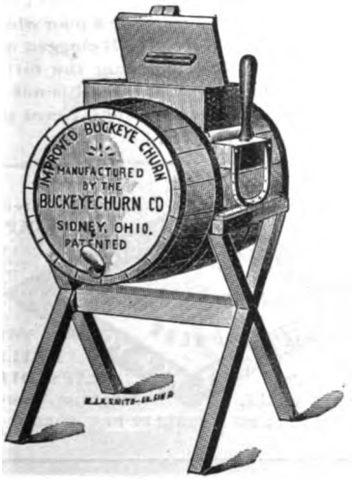
Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

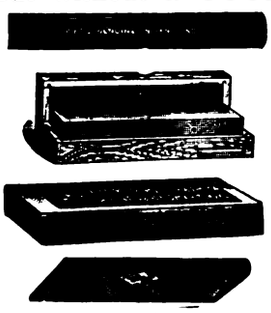
For Catalogue and prices address

Buckeye Churn Co.,

Sidney, Ohio.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility



That is why it is always economy to buy

PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.	Oil and Water Stones.
GREEN MOUNTAIN,	WASHITA,
LAMOILLE,	ARKANSAS,
BLACK DIAMOND.	HINDOSTAN.
PREM. QUINNEBAUG,	WATER-OF-AYR,
WHITE MOUNTAIN,	RAZOR HONES,
GENUINE RAGG.	TABLE HONES,
WILLOUGHBY LAKE,	AXE STONES, ETC

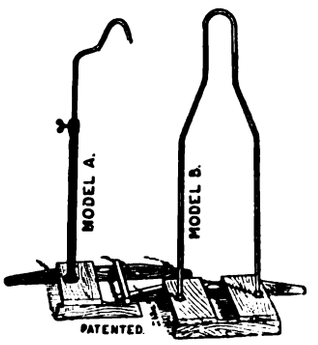
THE PIKE MFG. CO., - Pike Station, N.H.

—THE—

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME.

—Price, $1.00 Each.—

FOR SALE BY LEADING BICYCLE DEALERS

—Manufactured by—

Wm. M. Justice & Co.

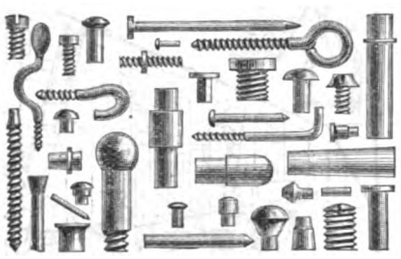
PITTSBURG, PA.

Liberal Discount to the Trade.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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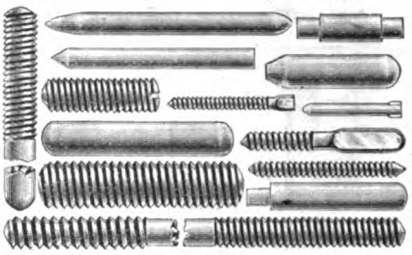


Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.



American Lead Pencil Co.,

429 Broome Street, New York.
110 Cheapside, London, England.



113. "CARBON" PENCIL.

TO obviate that tired feeling and dull pain in the fingers, which invariably accompany the use of the ordinary black lead pencil whenever too much pressure is brought to bear or it is used any length of time, and at the same time to produce an article that is very smooth, very black and very firm, thus adapting it for all kinds of work where a fine, smooth, black and legible mark is required, this pencil cannot be too highly commended. For writing on soft paper it surpasses anything heretofore produced; and for sketching, draughting and heavy shading it is indispensable.

Dozen mailed on receipt of 50 cents. Samples, Catalogue, Information upon Application. Address

American Lead Pencil Co., 429 Broome Street, New York.



K. & E.

SPRING JOINT STEEL RULES.

K. & E.

Pocket Rules, plain and with springs.

These rules sell well wherever shown. Trade price list on application.

SCALES, PLUMB-BOBS, THUMBTACKS, &c.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.

P. S. STUB'S FILES. Hubert's French
TOOLS. EMERY PAPER.
STEEL. KEARNEY & FOOT FILES.
CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST NEW YORK.
ADDIS'S Carving Tools. TWIST DRILLS,
Chesterman's TAPES AND RULES. TAPS, DIES,
Machine Screws.
CABLE ADDRESS "BUNDLET NEW YORK."



Guaranteed
Best Anti-Friction Metal for all machinery bearings. For high speed and heavy crushing weight it has no equal. It is used on bearings where no other metal will stand.

THEO. HIERTZ & SON, Sole Manufacturers,
Montrose and Park Ave., St. Louis, Mo.

Manufacturers of all grades Babbitt Metals, Solder, Bar Tin, Bar Lead, Lead Car Seals, etc.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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THE ORIGINAL IS THE BEST.
ROYAL CENTRAL DRAFT LAMP.

This Lamp has no Superior in the known world.

Gives the largest Light for Wick Exposure of any Lamp made.



ROYAL LAMP.—No. 1013.

Chimney Lift and Wick Raising Device the best and easiest of adjustment. There are many imitations of these improvements, but the **ROYAL** is still the best.

The Royal Chimney. Lift will stay in position while lighting the lamp without support from the hands. This no other lift device will do.

The Wick Raising Device of the Royal Lamp is unquestionably the best, and has the approval of our largest competitors by their practical adoption of it

The Wick can be adjusted more accurately and more easily than by any other device.

Workmanship, Style and Finish are unsurpassed. Made in all finishes of Stand, Table and Banquet Lamp. No better lamp for the dealer to handle.

The Plume & Atwood M'f'g Co.

29 Murray St, New York 199 Lake St, Chicago, Ill.



The B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

Lucas Lamps for 1895

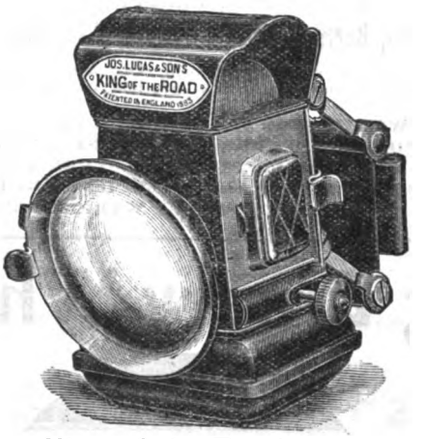
Have been much improved and will give greater satisfaction than ever.

THEY ARE *KING OF THE ROAD,*
KINGLET, TOURA,
CAPTAIN, MIDGET,
LUCENT, PLANET.

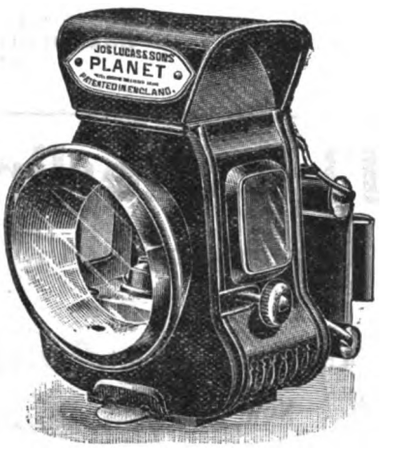


Toura.

RECOGNIZED by the trade AS the BEST.



King of the Road, 000.



Planet.

ole Representatives in the United States,

The New Departure Bell Co., Bristol, Conn.

Sole Agents, John H. Graham & Co.,

Write for Prices. **113 Chambers Street, New York.**

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THE ENTERPRISE M'F'G CO. of PA., Third and Dauphin Streets, Philadelphia.

CHERRY STONERS.

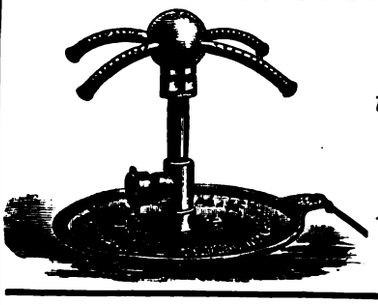


PRICES

No. 1, Japanned,
$7.50 per dozen.

No. 2, Tinned
$9.00 per dozen.

LAWN SPRINKLERS.



Indispensable to a Well Kept Lawn.

No. 1, $3.50.
No. 2, $2.75.

FRUIT & JELLY PRESS,

TINNED.

Invaluable for making
Wines, Jellies & Fruit Butters.



Price, . $3.00

RAISIN SEEDER,

TINNED.

Will Remove Every Seed Without Waste.

PRICE.
No. 36, . $1.00



Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

FOR SALE BY THE HARDWARE TRADE. SEND FOR CATALOGUE, FREE.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

The Sterling Emery Wheel Mfg. Co., Tiffin, O.

EASTERN AGENT:

L. BEST,
45 Vesey Street,
New York.

CUTTER, WOOD & STEVENS,
131 Pearl Street,
Boston

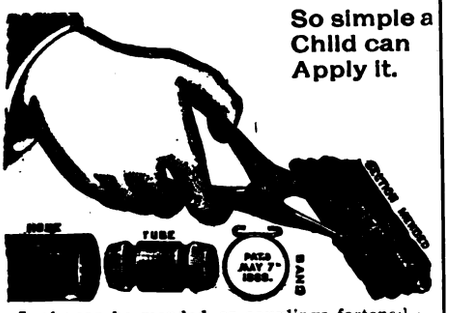


MANUFACTURERS OF

Emery
AND
Corundum Wheels.

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Hudson's . . . .
Garden Hose . .
Mender . . . .



So simple a Child can Apply it.

Leaks can be mended, or couplings fastened instantly. WILL HOLD STRONGER THAN ANOTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 30 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in these goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

AT THE TOP



AND GOING TO STAY THERE

OPERATING: Wheeler, Madden & Clemson Mfg. Co. Richardson Bros. Harvey W. Peace Co. Woodrough & McFarlin

THE

NATIONAL SAW CO.

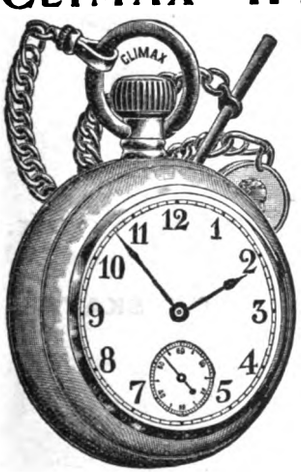
GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists

CLIMAX WATCH



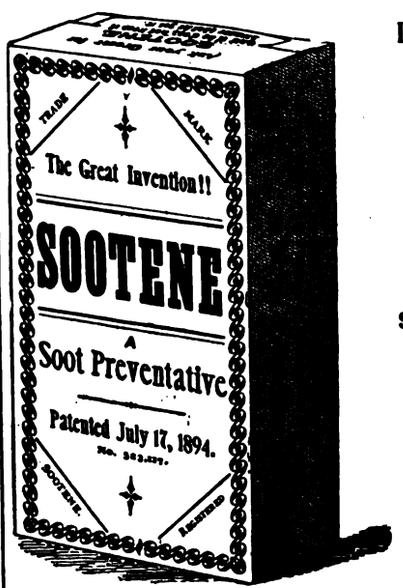
FOR

$2.00

American
Lantern
Pinion
Stem Wind
¼ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.



INCREASE
Your trade by adding a desirable article to your stock. Try SOOTENE.

IF YOU
Are not already handling SOOTENE order a few cases and you will not regret it.
Apply to

SOOTENE AGENCY CO.,
80 Broad St., N. Y. City.

GENERAL AGENTS FOR
Central and Northern States,
ALSO EXPORT.
Patentee and Manufacturer,
ROYALL GIVENS,
Corpus Christi, Tex.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

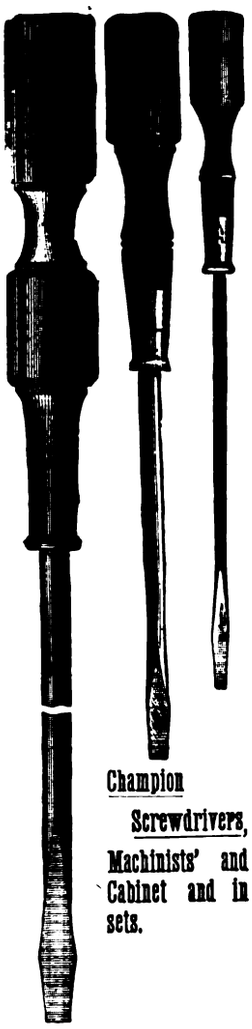
Models, Special Tools

And the manufacture of all kinds of

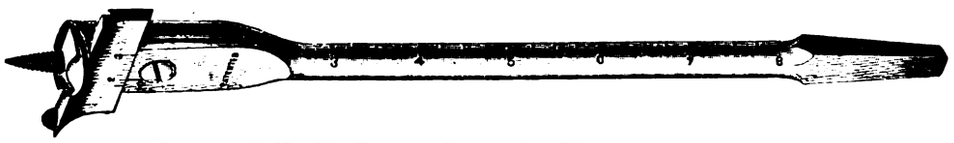
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

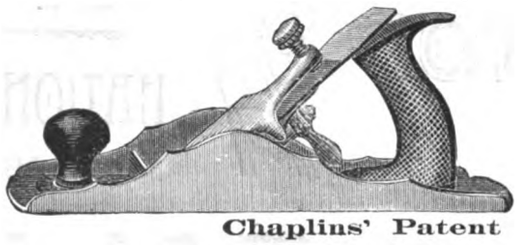


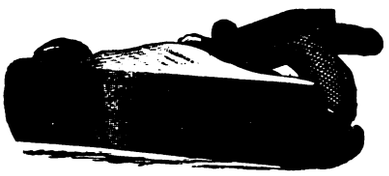
Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

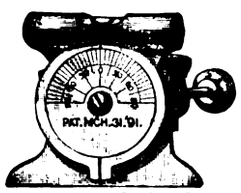
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





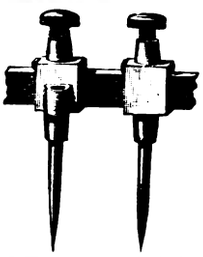
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.





Plumb Bobs and Trammel Points.

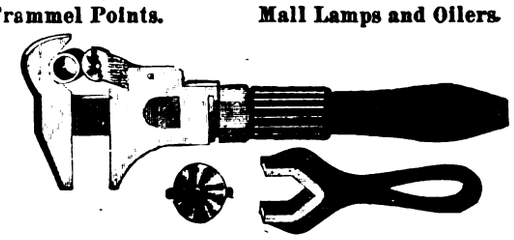




Mall Lamps and Oilers.



Stephen's Pat. Vises.



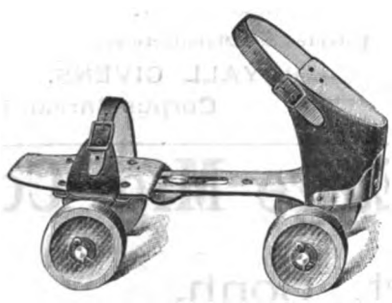
Tower's Engineers Wrenches.

TOWER & LYON,

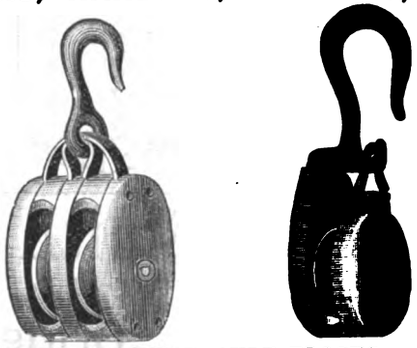
95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers **Padlocks, Police Goods, Etc.**

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



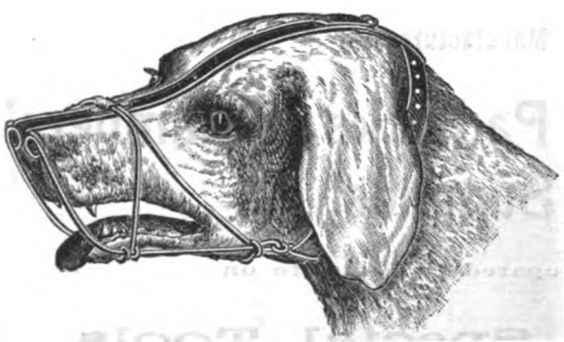
EXTENSION ROLLER SKATES.



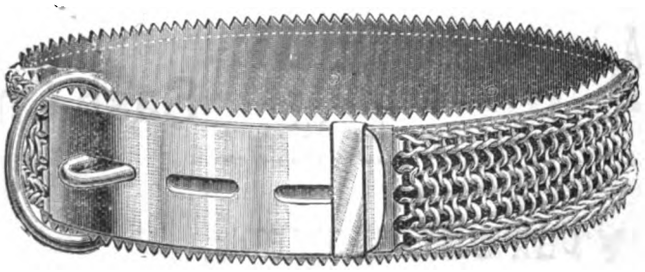
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

UNION HARDWARE CO.,

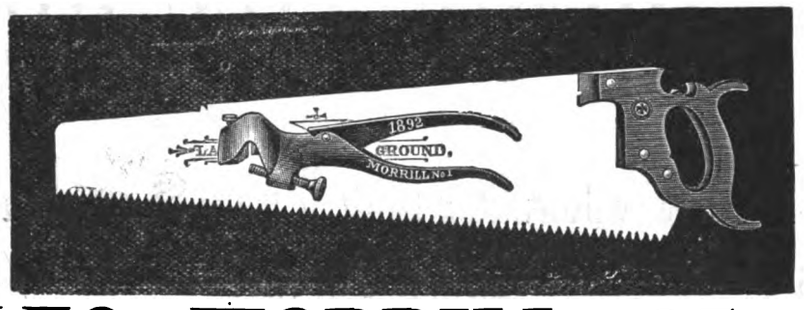
95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

New York Office in charge of TOWER & LYON.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	¼—¾	⅜—1	¾—1⅞	1½—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.



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ARCADE FILE WORKS.

ESTABLISHED 1842.

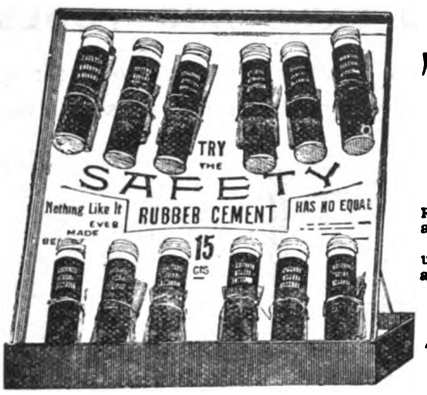
WARRANTED FILES AND RASPS.

EASTERN OFFICE, NEW YORK. FACTORY, ANDERSON, IND. WESTERN OFFICE, CHICAGO.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



"A WINNER."

The Safety Rubber Cement Outfit.

EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.

The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of **15 cents.**

Bicycle and Hardware trade supplied.

Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

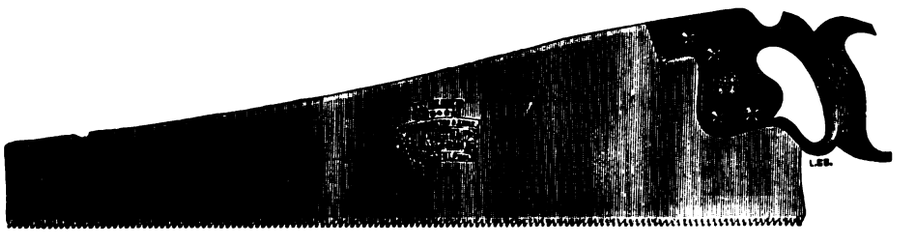
It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for **25 cents.**

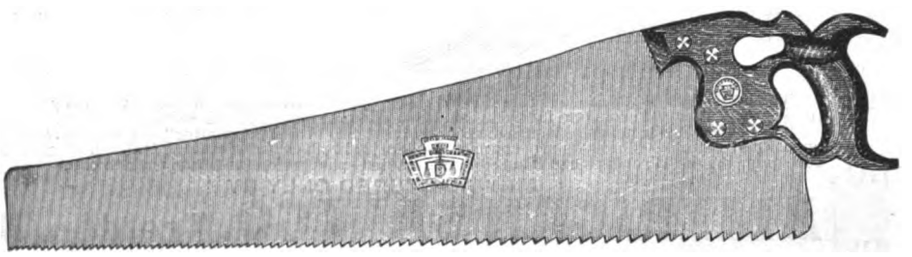
Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

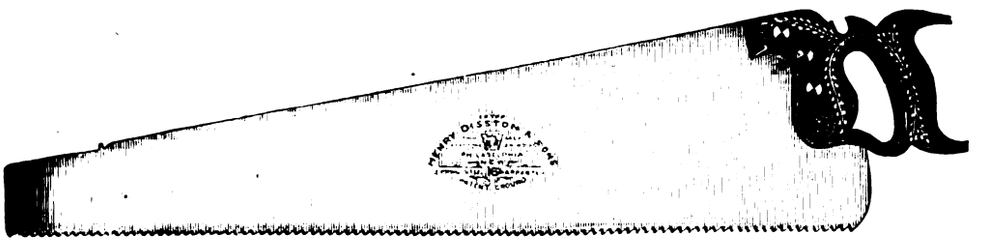


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

—EVERY SAW FULLY WARRANTED.—

Henry Disston & Sons,

(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

Carried in stock by all Jobbers.

NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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The Largest and Most Complete File Works In The World.

NICHOLSON FILE COMPANY
PROVIDENCE, R. I.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all Shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.

OHIO "WATER TIGHT"

STEEL MORTAR and BRICK HODS

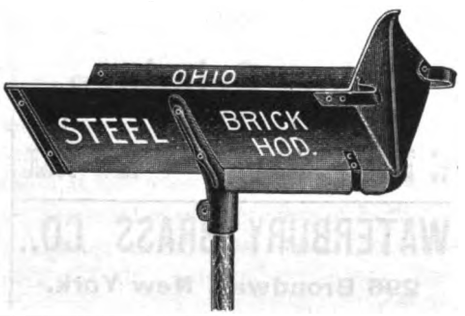


OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight" Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.

With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.

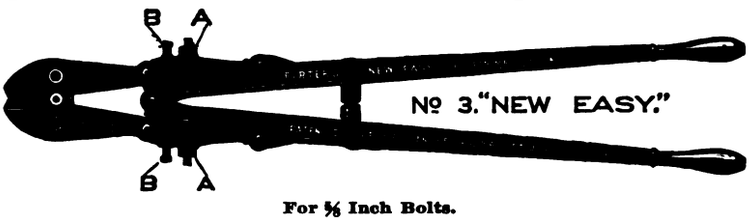


The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

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REMINGTONS FOR '95

have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:
MENS'
$100,
$90,
$75.
26 in. Boys'
$50.



PRICES:
LADIES'
$100,
$75.
26 in. Girls'
$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

Send for Illustrated '95 Catalogue free. Agents wanted in unoccupied territory.

REMINGTON ARMS CO., 313-315 Broadway, New York.

ESTABLISHED 1827 E. S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,
Varnish Makers
—AND—
Color Grinders,
45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,
296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

THE SAM'L WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

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HARDWARE

VOL. XI. JULY 25, 1895. NO. 8.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
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BOSTON, - - - - - - - No. 13 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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Reasonable and Unreasonable Competition.

During the past few days we have had the presidents of many of our great railroads in session at New York to try and devise a plan which will keep them all from going into bankruptcy, as many roads have already done.

Not every student of economic questions appreciates how enormously competition has been increased by steam, electricity and machinery. In the beginning there was a fear in the minds of many that the aggregations of capital necessary to economically apply these great forces would result in monopoly and higher prices to the masses, but experience has shown that, instead of abolishing competition, it has lifted it to a higher plane and intensified its force. This is illustrated by all the great branches of production and distribution. Railroad rates have steadily declined in the face of combinations and consolidations until the people of the United States to-day secure their transportation at about half the rates of other principal commercial nations. The last report of the Interstate Commerce Commission says: "Comparing the amounts received by the railways for transportation with the amounts they would have received on the volume of traffic carried from 1889 to 1893 if the average receipts per mile in 1888 had been maintained during the subsequent five years, the public would have paid for freight and passenger transportation by railroads, from 1888 to 1893 inclusive, $525,459,587 more than was actually paid for such transportation during that period." The same report shows that railroad stock of a par value of $2,859,334,000 or 61.24 per cent. of the total stock of all railroads of the United States paid no dividends last year, and that mortgage bonds amounting to $492,275,999 and income bonds amounting to $204,864,269 paid no interest. In other words, extreme, *unreasonable* competition has left investors, to this extent, without income, for the benefit of shippers and the public. All fair-minded men will admit that this is an injustice to the people who paid their money to furnish transportation facilities for the public, and that it is a striking illustration of the result of unreasonable competition. Yet some persons are not satisfied; they oppose pooling and even advocate Government ownership and operation of railroads.

Everything unreasonable is accompanied by unjust discrimination; hence the necessity for the adjustment of everything on a *reasonable* basis.

When the Sugar Trust was formed in 1887, it was thought by many that the public would probably be compelled to pay higher rates for sugar. Granulated at that time was selling at $6 per 100 pounds. For the first three years prices were somewhat higher owing partly to crop conditions and partly to refiners obtaining a better margin of profit; but since that time prices have steadily declined, until to-day granulated sugar is selling at $4.44 per 100 pounds, after paying an import duty of 40 per cent. *ad valorem* on the raw, and both refiners and distributers are making a fair profit. Before the Trust was formed an era of unreasonable competition had reduced the profits of both refiners and distributers to *nil*, and had actually bankrupted or driven out of business a majority of the refiners.

The Standard Oil Co. has for many years exercised a controlling influence in the petroleum industry, and yet the price has steadily declined from 35 cents a gallon in 1867 to 21 cents in 1877, 7.8 cents in 1887, 5.24 cents in 1893, and 5.18 in 1894. Owing to diminished production the price is now tending upward, the bulk price in New York now being 5.95. A reasonable competition has been maintained during the entire period, but the business has been so concentrated that it could be handled intelligently and economically, with the above results. Indeed, for the economical handling of any branch of production or manufacture, concentration of management is absolutely necessary. Without it, expenses of doing business inevitably result in high prices to the consumer. This is strikingly true of gas companies, and an illustration of it is seen in the baking powder business at the present time.

There are three principal manufacturers of high class baking powders, besides numberless small ones who make baking powder of all kinds and qualities. Each of the three leading companies maintains a large and expensive plant and staff of employees, and expends hundreds of thousands of dollars each year in advertising. It is safe to say that if the business of these three companies could be unified, one-half of the existing expenses could be saved, with benefit alike to manufacturers, distributers and consumers. The price of pure cream of tartar baking powders has been kept high by the enormous expenditure attending their

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manufacture and sale; and the trend towards lower prices will sooner or later compel a reduction in the price of this class of baking powder.

In the case of this article, unreasonable competition, with its attendant expenses, has had the effect to keep prices high to the consumer, while reasonable competition, with a concentrated and economical management, would have resulted in lower prices.

The present is manifestly an age of reason, and the logic of events, coupled with intelligent presentation of them, will steadily tend to dispel the prejudice in the minds of people who always have been quick to hail with delight any competition, no matter how unreasonable, and who have heretofore been prejudiced against the organization of industrial forces.

Free Cartage and Boxing.

This subject, so often discussed among Hardware merchants, in association gatherings and in the trade press, has come to the front for new attention, in view of the facts stated below:

The Simmons Hardware Co., St. Louis, make special announcement that they "are making no charge for package and cartage."

The Lockwood-Taylor Hardware Co., Cleveland, make this statement under date of July 10th: "Hereafter we shall deliver all goods at depot or boat without charge for boxing or cartage."

In the *Wisconsin*, of Milwaukee, of July 10th, the following item appears: "The Pritzlaff Hardware Co. has taken a step in the interests of its customers which, while it will be a very nice thing for the latter, it means a loss of many thousands of dollars annually to the Milwaukee company. Heretofore the Pritzlaff, like all other wholesale Hardware houses throughout the Northwest, has charged a minimum price for cartage and boxing of all goods shipped or handled by the company's teams in this city. These charges represented the actual cost to the company of such work, which has been added to the bills of the customers, the total amounted to from $3 to $5 per day for each one of eleven draying teams constantly in use by the Pritzlaff concern. Beginning July 15th these extra charges are discontinued, the company boxing and delivering all goods it ships to customers free. This is the initial move in the Hardware trade, Chicago dealers still charging the regular amounts for this work. It is probable that the big concerns of the same kind there will be compelled, for self-protection, to adopt the Miiwaukee plan. Milwaukee wholesale grocers adopted the same plan about a year ago, and it is still in vogue."

A Protest Against Convict Labor.

EDITOR HARDWARE: Yours is at hand. Goods like ours are largely made by convict labor, and while we have a territory in which, on account of quality, we cannot be dislodged, we cannot reach out in all directions, on account of the competition with "jail-bird" products. On the principle of calling sinners to repentance, and not the righteous, we can receive no benefit from extra labor upon a trade we hold already, while to put our prices on a plane with twenty-six cents a day convict labor, means to sell the goods at far below cost. The amazing stupidity of our law-makers in promising protection to labor, while at the same time virtually entering into a conspiracy to down honest labor and shut the doors of the manufactories who pay taxes to keep up the government, is only intensified in contrast by the zealous care of monarchial governments for their labor. You have but to step from this country into the Queen's realm, Canada, to find that anyone bringing convict made goods into that country, is jailed. And yet we preach protection to American labor! The most astounding part of the whole matter is, that the heads of labor organizations, while demanding increased pay for labor, will not turn a hand to stay the convict system which causes so many men and children to go hungry. The secret of the whole matter is that the contractors of convict labor are politicians, and are so linked with the powers that be, that it is a herculean task to dislodge them. Imagine a State furnishing buildings and labor at twenty-six cents a day, and then wanting capital to put up its own buildings, pay taxes and employ men at $1.50 to $3.50 per day! This is statesmanship with a vengeance. This prison octopus affects us all, and the sooner honest labor is lifted up from the scourge, the better for all. Yours truly,

Burlington, N. J., July 12, 1895. STUART & PETERSON CO.

Dedicated to Mr. Nutting.

It is not often that a Hardwareman has the honor of having a real story book dedicated to him. Such, however, has been the lot of James R. Nutting, of the Sickels, Preston & Nutting Co., of Davenport, Iowa. That Mr. Nutting himself is an expert in the use of a pen, need not be stated to those who have had the pleasure of reading his letters in the columns of HARDWARE from time to time.

The work above referred to is a new novel entitled "Roberta," by Blanche Fearing, who has already given to the world "In the City by the Lake," "The Sleeping World," etc. The book itself is a strong and imaginative statement of a great many social facts of supreme importance, with suggestions as to the solution of the same. The scene is laid in Chicago. Miss Fearing is a lady of some twenty-six summers, who has been compelled to struggle against adverse circumstances, in making her way in the literary world. She was born of poor parents, and is almost blind, but with all these disadvantages, she has quite a good education, and has also studied for the law and been admitted to the bar. She is a member of the bar of Chicago, and is licensed to practice in the Supreme Court of Illinois. She has written several books of poetry, which have been received with favor. Mr. Nutting gave her substantial assistance in getting out her first book, and helped her in other ways, and it is as a mark of appreciation of these kind services, that she has dedicated to him her latest and strongest work.

Hardware Association Meets.

The Mississippi & Missouri Hardware Association held its annual meeting July 9th in the Hotel Lafayette, Lake Minnetonka, Minn. A score of representatives attended. Routine business occupied most of the session, and on Wednesday the members visited Duluth in a body, where they were hospitably entertained till Friday, when they wended their way homeward. Among those present prominent in Hardware circles were: C. H. Bigelow, Jr., St. Paul; Horace Hill, Minneapolis; C. W. Hackett, St. Paul; J. W. Conchar, Dubuque; Robt. Donohue, Burlington, Iowa; Walter Schenck, Burlington, Iowa; S. H. Harper, Ottumwa, Iowa; W. H. Kalboch, Oskaloosa, Iowa; Geo. T. Sprague, St. Joseph; H. J. Lee, Omaha; C. A. Knapp, Sioux City; and T. J. Fernley, Philadelphia, representing the National Hardware Association; and Wm. P. Bissell, representing the Consolidated Steel & Wire Co., Chicago,

The National Convention of Stovemounters recently in session at Evansville, Ind., have elected James McGinn, of Detroit, president; A. A. Warner, of Wayack, Mich., vice-president, and Charles Streithoff, of Evansville, secretary. The 1896 convention will be held at Chicago.

The Continental Stove Works, and the Grander Stove Co., Royersford, Pa., have resumed operations.

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Death of John H. Graham.

Hon. John H. Graham, the well-known and highly esteemed senior partner of the Hardware firm of John H. Graham & Co., No. 113 Chambers Street, New York, passed away, at his residence, No. 663 Lafayette Avenue, Brooklyn, on July 11th, at 10.15 P. M., after being in ill-health for some time.

Mr. Graham was born in Belfast, Ireland, on April 1, 1835. His father, General Samuel Graham, who came from Belfast when the boy was three months old, was prominent in business and public affairs of Brooklyn until his death in 1884. The son attended Public School No. 4 on Classon Avenue when Samuel C. Barnes was principal, and for five years was apprenticed to an architect and builder. This business was not exactly to his liking, and in 1854 he went into the Hardware trade, in which he was engaged up to the time of his sickness. For seven years he served in the New York State militia, and when the war broke out he organized and was made captain of Company A of the Fifth New York Heavy Artillery, of which his father was colonel. Promoted to the rank of major, he was soon afterward breveted lieutenant colonel for gallant and meritorious conduct at Harper's Ferry and in the Shenandoah campaign.



Taken prisoner in 1862, he was paroled and later exchanged. A few months before the close of the war he entered the employ of Hotchkiss, the inventor of the machine gun. In January, 1870, he went into the wholesale Hardware business. Of late two of his sons were associated with him, the firm being John H. Graham & Co., and the place of business No. 113 Chambers Street, New York. In 1857, 1858 and 1859 Mr. Graham was deputy commissioner of repairs and supplies. He was for seventeen years a member of the Democratic general committee. Mr. Graham married Miss Annie Oliver, a daughter of John Oliver, of Brooklyn.

In 1892 he was elected congressman from the fifth district of Brooklyn and also nominated a presidential elector, but declined the honor because his eligibility to serve was questioned, he at the time being a National bank director. Mr. Graham was one of the trustees of the East Brooklyn Savings Bank, and until quite recently a director of the National Shoe & Leather Bank of New York, also a director of the Port Jervis & Monticello Railroad. He was a very active worker in the interests of charity, being intimately connected with the Association for Improving the Condition of the Poor. He was a member of the New York Hardware Club, the Loyal Legion, the George C. Strong Post, G. A. R., and of the Bushwick Club. In business circles Mr. Graham achieved an enviable reputation. He was the representative of the Hardware Board of Trade in the World's Fair commission of 100, and was named one of the incorporators in both the state and national bills. Associated with Mr. Graham were his two sons, William A. and George A., who compose the firm of John H, Graham & Co.

The funeral service was held at eight o'clock Sunday evening, July 14th, in the Puritan Congregational Church, Lafayette and Marcy Avenues, Brooklyn.

Why Called Whiffletree?

In a personal note to the editor of HARDWARE, Mr. Nutting, of Davenport, Iowa, makes this suggestion: "While you are in the mood for asking derivations of names for Hardware, how would it do to find out why a Whiffletree is called a Whiffletree, and why the same article is sometimes called a Swingletree and sometimes a Singletree, and also ask which is correct. I have also heard single Whiffletree and double Whiffletree."

The suggestion is a good one. If any one can throw light upon these points, we will be glad to hear from him.

The American Axe & Tool Co. recently held its annual meeting in Newport, Ky. The following Board of Directors were elected by the stockholders: C. W. Hubbard, Chas. W. Mackey, James H. Mann, W. T Norton, G. T. Lane, H. G. Bixby, C. W. Hubbard, Jr., A. C. Mann, F. E. Mann, Chas. H. Wier, F. Q. Barstow, S. A. Rankin, F. T. Powell, Ethan Rogers and H. Knickerbacker. The board was then organized and the officers for the ensuing year named. They are as follows: C. W. Hubbard, Pittsburg, Pa., president; George T. Lane, Troy, N. Y., first vice-president; H. G. Bixby, Nashua, N. H., second vice-president; James H. Mann, treasurer, and F. M. Sterrett, New York, secretary.

New life has evidently been infused into the Cleveland Chamber of Commerce, which fact is manifested by the handsome forty-seventh annual report which we have received with the compliments of President Wilson M. Day. A glance at the membership list proclaims the fact that the commercial future of Cleveland is in safe hands. The roll bears the names of those best known to the manufacturing, professional, literary and legal worlds of the great city of Cleveland. May the good work continue.

A committee has been formed in Genoa, Italy, to organize a congress of engineers and architects to be held in that city in the autumn of this year. The congress will be divided into the following sections: Hydraulic engineering, architecture, sanitary engineering, bridges and roads, railways and tramways, naval architecture and general mechanical engineering, electrical engineering, mineralogy, metallurgy, and industrial chemistry, geodesy and agricultural engineering, military engineering, and technical education.

James C. Lindsey, of the J. C. Lindsey Hardware Co., Pittsburg, died on Thursday, July 18th, at Meadville, Pa., where he was undergoing medical treatment. He was the vice-president of the Hardware Dealers' Association, and had been well known in that line of business in Pittsburg and its vicinity for thirty years past. He was a Mason, and fifty-one years old. His widow survives.

There is shown in London a pair of small pocket scissors which do duty for cigar and flower cutter, gas pliers, ordinary pliers, wire cutter, coin tester, paper knife, nail knife, screwdriver, railway key, a pincer, and a three-inch measure.

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Alderman Walkley is Honored.

The Hardware trade learned some time since that Hon. Webster R. Walkley, of the Peck, Stow & Wilcox Co., had been elected to the Board of Aldermen of Brooklyn. That he has been an able and faithful member of that body goes without saying. An evidence of that fact is found in the following extract from the proceedings of the board on July 15:

On motion of Alderman Hess, S. S. Butler, a citizen of the Twentieth Ward, was allowed the privilege of the floor, and was permitted to stand on the platform and make a brief address. He held in his hand a small morocco case. The address was as follows:

"Alderman Walkley, you have a great many friends, both in your own ward and in the other wards of your aldermanic district, who have watched your course and your record on the various public questions which have come before this Board during the past eighteen months with satisfaction, and with considerable pride in the representative of their district, and who, appreciating your labors in behalf of an economic administration of public affairs, together with your cordial and hearty support of this Republican administration, desire to present you with this badge as a slight testimonial, in consideration thereof, as well as a token as their regard for you. In after years, as you look upon this symbol of your office, we trust you will recall with pleasant remembrances your many friends who have honored themselves in thus honoring you."

Alderman Walkley, who seemed taken wholly by surprise, sat in his seat for a few moments while Mr. Butler was speaking, but soon arose and passed around to a point near the speaker, where, with bowed head and evidently much moved, he listened to the gentleman's closing words and extended his hand to receive the badge. It was of solid gold, plain, with black enameled lettering on the front, reading "Webster R. Walkley, Alderman, City of Brooklyn, 1894-1895." On the back were these words: "Presented by his constituents to show their appreciation of a faithful official, July 15, 1895."

There was applause on the floor at the moment of the presentation. Alderman Walkley hesitated a few moments and then made a brief acknowledgement, speaking in low tones and a voice that trembled a little. He said: "I heartily thank you for the kind words you have spoken, and I thank also the generous donors who have seen fit to make this presentation. It has always been my aim in life to be governed by that highest rule, 'to do unto others as I would have them do unto me.' I have voted on all questions as my conscience has approved. If in thus voting I have pleased my constituency I am very thankful. Please take to them my hearty thanks and assure them that I shall always do right as God gives me to see the right."

In comment upon this pleasant incident the Brooklyn *Standard-Union* says:

"The Board of Aldermen yielded the floor again yesterday, in order that a citizen of the Twentieth Ward, in behalf of many friends and admirers of Alderman Walkley, might present that gentleman with a modest testimonial of their appreciation of his record as a public official. It was a pleasing interlude in the monotony of routine proceedings, and it will gratify many friends of Alderman Walkley who have not the pleasure of his personal acquaintance but who, interested in reform movement, watching his course in the Common Council, have acquired a sincere esteem for him. They will be pleased to learn that combined with his earnestness and uprightness of character, his cultured mind and his steadfast loyalty to Republican principles, all of which show in his public career, he is privately a genial, refined gentleman, modestly and worthily exhibiting Christian graces of character that show no trace of cant or Phariseeism."

Michigan Hardware Association.

The meeting of the Hardwaremen of Michigan at Detroit on July 9th for the purpose of forming a State association was crowned with success, and another great Hardware association has been added to the steadily lengthening list.

The gathering was held at the Hotel Cadillac, and the attendance was very encouraging, some seventy-five firms being represented. The meeting was called to order by Frank S. Carlton, president of the Carlton Hardware Co., Calumet, who has taken so active a part in the advancement of the idea of an association. He was chosen temporary chairman. A discussion ensued upon various points of interest to the trade, and there was no question as to the wisdom that lay in association.

The meeting extended into July 11th. The name chosen was the Hardware Association of Michigan. One meeting is to be held in July of each year, a special one being set for the second Wednesday in February, 1896, at Saginaw. The admission dues were set at $3 per year and the annual dues at the same amount. Any who join before January 1st, 1896, have the first year's dues omitted. The following efficient corps of officers and committees were elected:

President, F. S. Carlton, Calumet.

Vice-President, Henry C. Webber, Detroit.

Secretary and Treasurer, Henry C. Minnie, Eaton Rapids.

Executive Committee, ex officio, F. S. Carlton, Calumet; Henry C. Webber, Detroit; Henry C. Minnie, Eaton Rapids; for two years, Charles F. Bock, Battle Creek; T. A. Harvey, Saginaw; for one year, Edw. A. Moye, Marquette; J. B. Sperry, Port Huron. Investigating Committee, for one year, W. J. Boyce, Port Huron; S. P. McDonell, Bay City; T. Frank Ireland, Belding.

The following resolutions were adopted:

Whereas, Our president, Mr. F. S. Carlton, has been directly instrumental in the organization of the Hardware Association of Michigan; therefore, be it

Resolved, That a vote of thanks be extended to him for his untiring efforts in this direction.

Whereas, the various Hardware journals of the United States have extended the favor of their co-operation in forming the Hardware Association of Michigan; therefore, be it

Resolved, That a vote of thanks be extended to them for their efforts in our behalf.

Whereas, The Hardware Association of Michigan has been organized in Detroit, Michigan; therefore, be it

Resolved, That the secretary of this association be instructed to notify all the Hardware journals of the United States of the action taken and that they be requested to insert a notice of the same in their publications.

Resolved, That a cordial invitation be and the same is hereby extended to all regular and legitimate Hardware men of Michigan to join with us in this association and remit to the secretary the amount of dues and membership fee and receive their certificate of membership.

WM. T. HEBBARD, Lansing;
CHARLES F. BOCK, Battle Creek;
EDWARD A. MOYE, Marquette;
Committee on Resolutions.

Wm. Pike, Jr., so long connected with the Brady Mfg. Co., and for the last two years as their superintendent, has resigned, and is now taking a much needed rest. Cluf Tyberg, M. E., so long and favorably known as a practical and theoretical designer and the constructor of many automatic and other labor-saving machines, has recently acquired an interest in and accepted the position of superintendent of the Brady Mfg. Co., of No. 83 Washington Street, Brooklyn, N. Y., where he will be pleased to serve his friends and patrons.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.--IV.

The first endeavors permitted me in the way of selling goods, were in connection with the calico counter.

This was located to the right of the main entrance, and the critical dame or cautious girl who came in search of bargains, had from seventy-five to one hundred pieces and patterns from which to make selections.

The caller would peer into the store with an investigating air, and in nine cases out of ten--whether looking for calico or hoop-skirts—steer straight for that counter. Perhaps I have employed the wrong word in the above—drifted up against it, would be the more exact term. Conversations would open in something like this form:

"Good morning, ma'am."

"Good morning."

"Looking for something in the line of calico, this morning?"

"Well, I dunno. Jest lookin' around. What are you chargin' for Merrimac?"

The price would be named, the clerk meanwhile hauling forth the most attractive patterns, and opening them out to the best advantage.

Nine out of ten of our visitors were Yankees from the country. Eight out of these nine were suspicious of the town, the store, the proprietors, the clerks, the goods and the prices. They knew by long experience that the price asked was not always the one taken; that haggling, offering, and reducing were ever in the order of things; and much practice had made them past-masters in the art of beating down.

A dozen pieces would be slowly examined without a sign of emotion, except such as implied a general mistrust and unyielding criticism.

"How much did you say this was?"

"Twelve cents a yard."

The burden of war prices was yet upon the cotton market.

"Twelve cents! Lands' sakes. They are selling them for ten cents at Smith's."

"Not Merrimacs, I guess. We have the cheaper brands for that. Here are some at ten."

"Yes they were Merrimacks. Well, I'm only lookin' around. Don't know as I want any. Still, I might take a dress off that pink, if I could get it at ten cents."

When this sharp current in bargaining first caught me, of course I made haste to Mr. Samson for a sailing chart.

"Let her have it for eleven cents, Henry," said he. "Try to get that; but if she won't pay it, take the ten cents. Then work her down toward me, and I may be able to sell her a pretty big bill. She generally commences that way. But don't let her go out of the store empty-handed, if you give her a dress."

(The one unpardonable sin was to let a caller get away without a sale.)

It is needless to say that this superior experience against which my newness was matched, was too much for me. The eleven-cent compromise was refused, and she took her ten yards for a dollar.

She greatly appreciated the money saved, for shillings do not grow upon the bushes upon Northern Ohio farms; but the pleasant gleam behind her glasses, showed that twofold greater was the pleasure derived from getting ahead of "one of them sassy clerks."

I coaxed her gently down the counter, and left her in the hands of the genial but seasoned Samson. There came to me then a revelation in the ways of barter. There was genius in the way in which goods jumped in price when she approached them; and her joy in getting them down within reach of her offer, was only matched by Samson's quiet happiness in getting, in most cases, the full regular selling price. I was, indeed, convinced that genius has its rewards, as I carried, late in the afternoon, several huge bundles from the store to her wagon across the street.

I do not defend this method of dealing. It belonged to the order of things in Grange, and as such was generally accepted. There was one store in the vicinity that made and lived up to a rule of:

ONE PRICE ONLY: NO TRUST.

It soon went into the hands of an assignee. The people regarded the first named feature as an encroachment upon their liberties, while the "No Trust" was taken as a reflection upon their financial reliability.

We had some customers from a small iron-making town a few miles away, the majority of whose inhabitants were Welsh. There seemed to be but one way of dealing with them.

The stalwart mother would enter, thump her baby down upon the counter, and open the campaign.

"I want to see some of your dress goods."

Plain muslins or substantial woolens would be unrolled before her. We will suppose that the selling price was marked at thirty cents per yard.

She would select a piece that suited her.

"How much is that a yard?"

Knowing his customer, the clerk would say: "Forty cents."

"I won't give it. I'll give you twenty."

Then followed a season of argument, expostulation and good-natured chaffing.

"Take it along for thirty-five cents."

"Never in the world. I'll give you twenty-five."

Then another season of mercantile diplomacy. The baby would be gathered up, as a preliminary to departure. Then a halt, and more negotiations; and in the end she would take the goods at thirty cents. She was happy because she had compelled the clerk to come down ten cents per yard; and he was happy because he had made a sale at the regular figures. If he had asked her thirty cents in the start and stuck to it, some other clerk up the street would have sold her the dress.

One thing that Samson & Crown would not permit, and that was misrepresentatian of their goods. A thing must be sold for what it was, upon its own merits, and full weight or measure given. Both men were honest, truthful, and exact, and if a mistake had been made, took pleasure in making it good, no matter what the cost.

Some of the merchants of Grange were constructed after a different plan. I shall never forget a series of calculations made in my presence by a cynical clerk employed in another store.

We were standing by the counter in that other store, listening to the senior partner—we will call him Jones—selling a bill of goods.

"Just listen to the old man," said the clerk. "He has been talking to that woman for ten minutes and has told her ten lies, counting those in which he has repeated himself. Let's make a calculation," he added, taking up a pad.

"Suppose that, in a logical arrangement of rewards and punishments, a man should be sunk one foot deeper in Hades for each lie he tells. The old man has been in business for forty years or over. He sells goods, on an average, five hours each day, six days in the week. That

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makes, at the rate he is now going of one to each minute, three hundred per day. Here it is:

300 lies per day.
300 days per year.

90,000 per year.
40 years.

3,600,000 total, or so many feet deep.

"That puts him pretty well down," said the young man, "and unless he is taken away pretty soon, he will be too deep for consolation or relief."

These records of business morals in minor things are not, perhaps, so trivial as they seem. Every object-lesson set before a boy, assists in the making up of his character. I had not been in the store a month before I had made up my mind on two points: To be honest in all dealings; and to keep as closely to the truth as possible. That foot-per-lie problem had set me to thinking.

An incident in selling that came near turning my young hair gray, occurred in one of the first days of my apprenticeship.

We carried a fine line of furs, and a handsome muff attracted the attention of a lady upon whom I was waiting. She asked the price.

I looked at the ticket, and there it was distinctly: "O N."

As "O" meant five and "N" a cipher, I knew that the combination stood for fifty, and therefore the price of the muff was fifty cents. But I had sold cat and rabbit skins in my earlier days, and there came into my confused head the thought that furs were going rather cheap at that rate. Remembering Mr. Samson's advice, I went to Almon and asked the price. "Fifty dollars," he said promptly, and I heaved a sigh of relief at my escape. The lady did not take it at fifty dollars, but I knew in my youthful soul that she would have snapped it up at fifty cents.

One of the city's bright lawyers said a very clever thing the other day. He was seated with a group of friends and they were discussing in a desultory way the leading topics of the day. One of the parties present, Mr. ——, persisted in monopolizing more than his share of the conversation, and his views did not at all accord with those of the lawyer. As the men separated one of them said to the lawyer:

"That —— knows a great deal, doesn't he?"

"Yes," replied the lawyer. "He knows entirely too much for one man; he ought to be incorporated."—*Chicago Mail.*

A Belgian inventor has devised an immense lamp such as has probably never been seen before. It is composed of 3000 pieces, six feet high and measures 7.10 inches in diameter. It is fed with lard oil, and the consumption is said to be very small.

A $500 fire occurred in Penfield's saw factory, Bristol, Conn., some days since.

The New Savage Hammerless Repeating Rifle.

The Savage Repeating Arms Co., Utica, N. Y., have now ready for the market its New Hammerless Rifle—model of 1895. The rifles are manufactured by the Marlin Fire Arms Co., of New Haven, Conn. The rifle embodies the result of years of careful experimenting by Arthur W. Savage, a practical sportsman, who spent several years in hunting in Australia. The gun embodies the best features of several well-known systems, and combines simplicity, strength, lightness and ease of manipulation. The guns are built to use metallic ammunition loaded with smokeless powder in its full strength. The many positive advantages of smokeless powder are so obvious that it is unnecessary to urge its utility with sportsmen. A few of the more prominent points of merit are: First, the absence of smoke; second, long range and flat trajectory; third, high velocity (2000 feet per second); fourth, great penetration; fifth, non-fouling of the barrel; sixth, less recoil; and seventh, lighter weight. The point-blank range of the Savage Rifle with smokeless powder ammunition is 200 yards for accurate shooting; for practical hunting, 250 yards.

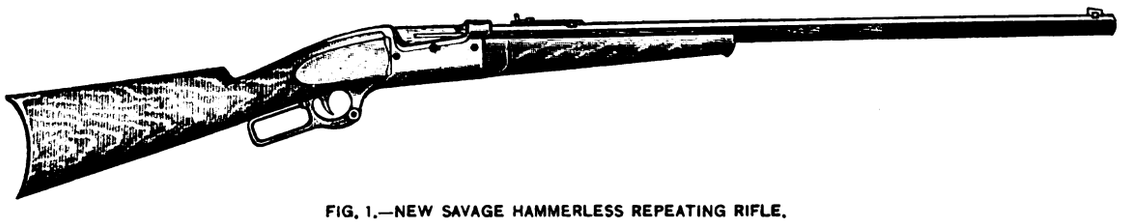


FIG. 1.—NEW SAVAGE HAMMERLESS REPEATING RIFLE.

The "stopping" power of the small metal-jacketed bullets, driven by smokeless powder, is far more deadly in effect on game than that of the larger calibre lead bullets driven by black powder. The superiority lies in the extraordinarily high velocity of the bullet, which imparts a portion of its energy to the flesh and bone, both of which become, in a sense, projectiles, producing a frightful wound, which must be seen to be understood. There is no animal, at the ordinary sporting range, that is sufficiently large to prevent the ball from passing entirely through the animal's body. Rifles of substantially the same calibre, using smokeless powder, are now being constantly used in hunting large and dangerous game in Central Africa.

The accompanying cuts show the regular Savage Sporting Rifle with the action closed; the reference letters refer to the following parts: A, represents the finger lever; B, the catch on the automatic cut-off; C, the automatic cut-off; E, the breech-bolt; F, the extractor; G, the magazine carrier; H, the projection on the receiver for connecting the finger lever; K, the sear; N, the hammer or striker; O, the main spring; P, the sear screw; R, the trigger; S, the trigger safety projection; U, the receiver breeching-up shoulder; V, the trigger and lever lock; Y, the indicator hole for showing the status of the firing mechanism. The rifles are hammerless repeaters. The magazine is arranged within the steel walls of the receiver, and is constructed to hold five cartridges, together with one cartridge in the breech opening, which makes the rifle a six-shooter. The weight, complete, is seven and one-half pounds; the length of the barrel is 26 inches; the calibre, .303; the pitch of the rifling is one turn in 10 inches. The rifle can be fired by an amateur 25 shots per minute when used as a single loader, and 40 shots per minute when used as a magazine gun. The

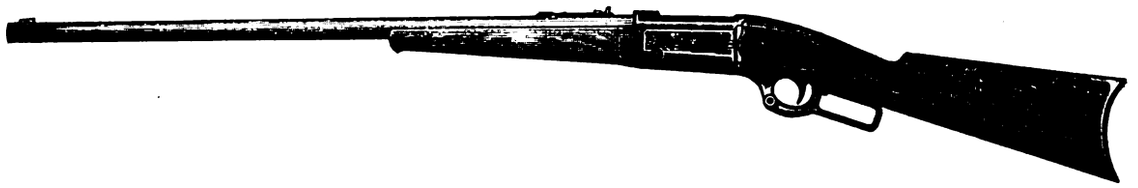


FIG. 2.—NEW SAVAGE HAMMERLESS REPEATING RIFLE.

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barrel and breeching mechanism are built to resist a tensile strength of 100,000 pounds to the square inch; the barrel steel has an elastic limit of 60,000 pounds. The rifle has a multiplied extracting power on the ratio of 1 to 16—*i.e.*, a force equal to one pound in weight on the lever will exert a force equal to 16 pounds on the empty shell in the chamber. The gun is provided with an automatic indicator, consisting of numerals on the head of carrier G, exposed through a hole in the wall of the receiver, so that the sportsman can see at a glance the state of his magazine. On the top of the breech-bolt there is arranged an automatic indicator, showing, at all times, whether the firing mechanism is cocked, or in safety position. The gun is also provided with a safety device for locking the action, which can be instantaneously operated. Four different kinds of ammunition are provided for use in these rifles: first, the regular, solid head, metallic cartridge, with an extra heavy primer—the shell holding 30 grains of the "Savage" brand of smokeless powder; the metal-jacketed bullets weighing 190 grains; second, cartridges using the same shell and primer, with a metal-jacketed bullet—the jacket being placed on the rear portion only of the bullet, the front end of the bullet being soft lead forming an expanding bullet for large dangerous game; third, cartridges having the same shell, primer and bullet as first mentioned, the shells being loaded with 40 grains of black rifle powder; and fourthly, a gallery cartridge loaded with five grains of "No. 2 S" smokeless powder, with an alloy bullet weighing 100 grains. These latter cartridges are made for gallery practice and for light shooting.

The powder used in the several cartridges is compounded to give the best possible ballistic effect, and is even in pressure. The weight of the gun and the ammunition is such that the sportsman will be relieved of about one-half to one-third of the weight heretofore carried, in using black powder rifles. Some of the numerous features of novelty and advantage in this rifle are: the concentric lever, which operates the working portions of the gun and serves as a trigger guard; the cocking of the gun is accomplished after the cartridge is in the chamber and the gun breeched up, the cocking being accomplished when the gun is pulled against the shoulder of the operator; shells are ejected to the right of the operator; the withdrawal of the breech-bolt, which is moved downward at the rear end, unlocking the action and the breech-bolt is retired inside of the steel frame; the breeching-up is in the direct line of the strain, and is exceedingly strong and reliable; the magazine is circular in form, and is inside of the steel walls of the frame, each cartridge is held independently in the sprocket carrier G, the cartridge being held from end thrust by their rim, thus preventing the bullets from being jammed into the shell, which tends to produce dangerous pressure; the cartridges in the magazine can be held in reserve while the gun is used as a single loader; if the sportsman desires to lay aside his gun with the magazine charged, without a cartridge being in the chamber, he can do so by opening the action and placing his thumb of his left hand in the breech-opening, against the right face of the automatic cut-off C, and crowding the same toward the left into its recess and holding it in this position while he closes the action until the breech-bolt passes the head of the upper carriage in the magazine, when the closing of the action is completed; the gun can be instantaneously loaded and cocked by moving the lever forward and reversing the movement backward, when a cartridge will be taken from the magazine and carried into the chamber—the gun is then loaded, breached up and cocked, ready for use; it can be used as a single loader, the automatic cut-off enabling the operator to use the gun either as a single loader, or as a magazine gun, at will, without any conditions, which is accomplished by opening the action and placing a loaded cartridge—head to the rear—into the breech opening, under the catch B, which crowds the automatic cut-off C back into its recess, and at the same time carries the magazine cartridges out of reach of the breech-bolt, as the action is closed; omitting to put a loaded cartridge in the breech opening and closes the action, a cartridge is taken automatically from the magazine and carried into the chamber; the locking of the rear of the breech-bolt is accomplished by the end of the concentric lever resting on a solid shoulder in the frame, which operates as a wedge, so that the greater the recoil the greater the force which holds the breech-bolt against the breeching-up shoulder; the gun can be uncocked by moving the lever backward while the trigger is held back by the finger; the action is locked by the movement of a positive bolt, which can be instantaneously operated; the magazine is charged by opening the action, then placing the cartridge—heads to the rear—in the breech opening and crowding the cartridge, with the thumb or forefinger downward, and carrying the same rearward until the rim of the cartridge engages under the catch B on the automatic cut-off C—repeating these operations until the magazine is fully charged; metal fillers, containing six cartridges, may be used, and the gun charged in one operation. The balance of the gun always remains the same when drawing on the magazine.

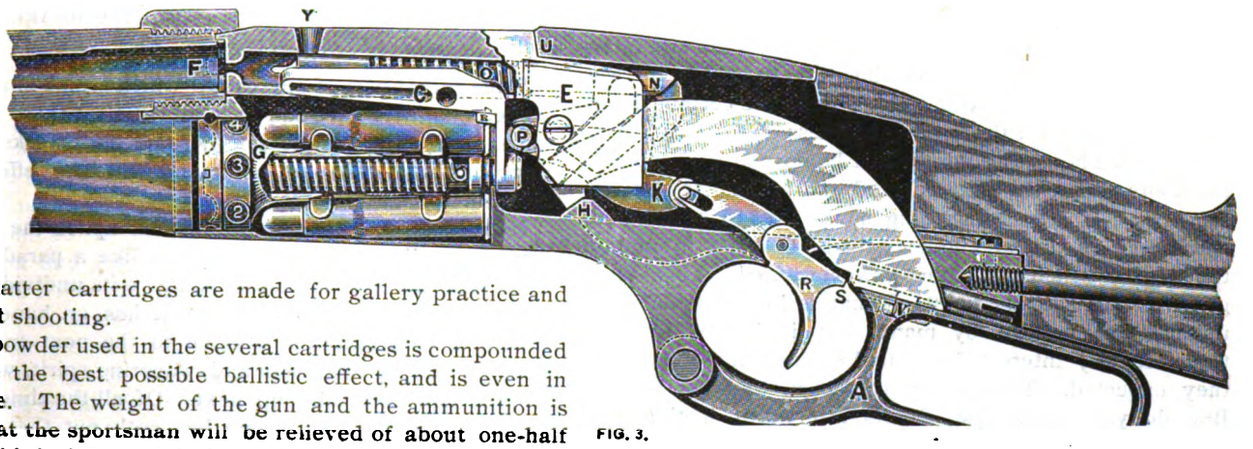


FIG. 3.

The company will furnish, on request, catalogue giving detailed description and operation of the gun.

An ingenious French photographer has recently discovered a method whereby photographs can be taken under water. His apparatus consists of a barrel filled with oxygen, surmounted with a glass bell which contains an alcohol lamp. By means of a mechanical contrivance, powdered magnesium is thrown on the flame of the lamp, which flares whenever a view is taken. Some wonderful pictures of the bed of the Mediterranean have been procured by these means.

The editor of the dictionary—"Have you written that definition of 'bicycle' yet?"

The expert definer—"Yes, Sir. Here it is: 'An implement which secures to women the privilege of wearing bloomers.'"

The editor—"Correct! I shall raise your salary."—*Exchange.*

Only the untried man wholly trusts himself.

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THE HARDWARE CLERK'S CORNER.

DOES THE SUCCESS OF ANY HOUSE DEPEND UPON ITS CLERKS?

EDITOR HARDWARE: The question itself is not generally looked into by clerks themselves as deeply as it should be. For, by second thought, it might reveal to them something of a very valuable nature and lead them to take a more active part.

It appears to be a rule among a good many clerks—so much for so much. Just think a moment. What do we profit by the experience; what is its worth to me if not recognized by my employer; what value are we to those who appreciate real worth and reward accordingly? The combination is an individual one to be solved; the results act collectively. When a young man starts out to begin life he is put at the foot of the ladder. It may be office boy or otherwise, according to the nature of the business. If he is careful and has an ambition to secure a better position he will see to it that his humble part will be mastered to the satisfaction of himself and employer. There are questions of this sort arising sometimes which seem to check the progress of the ambitious boy. What would you do if you were asked to do something other than that you expected to do; or suppose I did something for someone which I thought was right and got hauled over the coals? There are many other questions which might appear simple and foolish, but play an important part in a boy's life and interfere with his performance of the duty to which he was called. There is one thing sure; there are certain things to do to prepare for the coming business of the day. If in a mercantile house the doors must be opened on time and the floors swept, the offices dusted and books placed ready for work. If a manufacturing house fires to be kindled, machinery oiled and engineer ready to start in motion the engine which gives the power wanted. This, then, gives us the starting point of what is looked upon as an unimportant feature by many, but if looked into by those directly interested will find it more important than they expected. To sum up this part, then, is to say: Boy do your work first, favors afterwards if time and place permit.

This can be applied to every position, and where sustained will be found to be extra strongholds for the structure.

Now the next step is to learn the business of the house with which the boy is connected. Having been found faithful and competent in little matters advance is made into the shipping department. There an acquaintance is made with the methods of packing and shipping and the different kinds of goods. Possibly you receive goods. This gives the boy an insight as to where they came from, and many other minor points of information too numerous to mention, but which help to make important moves to success.

This mastered, another advance is made to the goods themselves. Now it may be it is only to help put the goods in proper shape, so that they can be handled with care and despatch by those whose duty it is to use the goods for their various requirements. A chance is here given to become directly acquainted with the goods, their position, their composition, their uses and many other points of interest which arise as the occasion permits.

Then again another step is made, and right here a very important item should not be overlooked. The employer should see that the advancing clerk is made thoroughly acquainted with the goods as regards the different qualities if there be such, or whys and wherefors concerning certain articles, so that as an order clerk selections can be made with intelligence. Having been proved proficient another advance is made, and he is placed at the head of the department. The thorough experience gained places the clerk in a position where at any time he can instruct, advise and in fact know just where to place, and how, the business which comes before him.

The next step is to embark into actual commercial life, and this step is often looked into by the heads of the concern with very grave importance, and it is often decided to keep him at home, unless a supply is at hand to fill. And should it be he is sent out to represent the house, and he is fully prepared.

Now in a rough way an idea has been attempted to show that a house with a set of clerks, from top to bottom all fully equipped with the knowledge the various positions require, can be nothing less than a success, for they are ready to ward off anything that may strike to its detriment and replace it with that which is of interest to them and the house.

Then this finely constructed piece of machinery must be taken care of, for it needs a good, conscientious engineer to keep in touch with the different parts, for like everything else something is likely to get out of order and must be attended to.

Motto: A house divided against itself must fall.

New York, July 5, 1895. HARDWARE CLERK.

THE USES OF TIME.

Time is that part of our estate which seems of all others a fixed quantity. We can have all the time there is, but no more. But the example set by some hard workers seems to prove that nothing we command can be in effect so increased.

It is an axiom that the more we accomplish the more we can accomplish, though it appears like a paradox. The mind that has been so trained can give its undivided power for the time being to whatever it has on hand, can do thorough work and then pass on to the next subject. It loses no time by indecision and wavering spirit, wondering what it had best take up next. Of all the time-wasters, this is one of the worst. One has aptly put that "a busy man's recreation is more productive than an idle man's work." An ever ready mind will acquire more knowledge by half an hour's reading in a library on just the subjects upon which he wishes information, than an idler will in a day's research. An industrious man seems to strike knowledge on the jump, and he can fill his time so full of useful doings that it resembles an assortment of cutlery from an expert packer. There is no haphazard work in the days of such toilers. There is a steadiness of purpose, of mind, and of hand, that can take up new or unexpected tasks without losing time in fussing and fuming, and then carry them through to success. Such workers are generally very quiet about it. You hear less of their doings from themselves than from anyone else. Their work speaks with a more subtle tongue. They do not find fault with or quarrel with their tools and always "rejoice in their labors." Happy workers are by long odds the most successful ones.

It is good to learn in youth the art of making the most of time, for 'tis truly said that "Time is money."

ADVICE TO CLERKS.

Don't remain a clerk longer than you are compelled to. Become a proprietor.

Give a pretty young girl who comes after a sad iron, the same attention you would a laborer who comes after a shovel—but no more.

Many men fail through a lack of self-reliance. In some cases it is so lacking that they have not sufficient courage

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even to try to accomplish what they believe will result in success.

It is just as easy, nay, easier, to act rightly than otherwise, and once you endeavor to guide your conduct by such methods, be sure that it will be the starting point to ultimate success.

There is nothing like full doses of hard work to keep both mind and body thoroughly healthy, and to fully enjoy the sweets of life.

"Hop's" Corner.

It is a growing subject of complaint among the retail dealers in Hardware that the manufacturers, in their desire and anxiety to make remunerative sales, are constantly crossing the boundary lines which separate the jobber from the retailer and seem to be endeavoring by all possible means to sell the consumer direct.

This same objection in a similar degree was urged over thirty-five years ago in the interest of the jobber as against the retail dealer, it being logically argued that as the distribution of a manufacturer's product by a jobber was in larger proportion than was possible through dealings with retailers, they were entitled to a large share of protection in the way of competition with the manufacturers direct. Meetings were held and jobbers' associations were formed for the purpose of resolving to purchase no goods from any maker who directly solicited the trade of the retail houses; and they even went so far as to dictate the form of labels which should be used by the offending manufacturers, who in the future must omit all reference to the post-office address of the town where the mills were situated, so the information-seeking retailer could not enter into correspondence with the producer direct.

A great many makers of American Hardware were compelled to bite the rod, and endeavor to placate the powerful band of jobbing houses, over a hundred of which could be counted in the three principal centres of New York, Boston and Philadelphia. These Eastern manufacturers had, in a struggling sort of way, been doing their level best to introduce their home-made products in competition with the vast amount of foreign goods annually marketed in our country, but it was an up-hill job! The jobbers didn't believe in the dissemination of too much intelligence as to any obtainable scale of prices and discounts. They had been educated in a school of conservatism which, by purchasing goods abroad, was enabled to cover up the bottom costs from even the best salesman in the house, by keeping them in a foreign bill-book locked up in the safe. He was supposed to accept the market cost as the basis of any sales he saw fit to make.

There were some manufacturers who at a later date could read between the lines and readily see that if the reputable retailers once handled lines of goods in which merit was the corner-stone of their popularity, the jobbers could be forced to recognize their growing demands and be compelled to supply what was needed. So they sold the retailers direct; distributed their circulars and catalogues largely. The catalogues were not very pretentious affairs in those days, being only of a few pages, but they enabled them to make known the good quality of their wares, and proved that they were wise in their day and generation; for without being compelled to follow every trifling variation in prices which in inferior goods is constantly noticeable, these same concerns and their successors have held the confidence of the retailers and consumers even to the present day.

But the question naturally arises: Can the jobber to-day command and dictate on what terms he will handle any line of goods? Some lines have grown so large and broadened so immensely in the last ten years, as to be entirely beyond the distributing machinery of the jobbing trade, or with even that of the retailer combined.

Take the now extensive line of builders' Hardware and notice on what artistic and æsthetic lines of excellence consist its present product from any leading factory; and it will be too plainly evident that only through the medium of the architect and builder direct, can any influence be brought to bear to stimulate their "up-to-date" requirements when the goods made are backed by the modern schools of mechanical art in construction and technical skill, and which show an attention to detail and harmony of design in which the dealer simply as a handler of merchantable Hardware, has little or no sympathy, as he is more apt to "damn with faint praise" any such advancement in the school of progress, on account of the endless and various amount of knowledge and labor rendered necessary in its intelligent distribution.

"Hop."

American Firearms in Germany.

American firearms manufacturers who have been seeking to introduce their wares into Germany are often embarrassed by governmental restrictions imposed there, which shut arms of our make out of competition with those made in some European countries. W. H. Robertson, our consul at Hamburg, has taken pains to learn just what the trouble is, and sets forth his findings in a report to the Department of State. It appears that all small firearms arriving in Germany from the United States are required by law, under heavy penalties, to be taken to a German official proving establishment, and there proved before being put upon the market. The expense of this preliminary often eats up so much of the profits as to make further commerce impracticable. The German law, however, recognizes tests made, under certain prescribed conditions, in proof-houses in foreign countries. The Belgians and English have established such proof-houses, and their goods, therefore, come into Germany on an equal footing with home products, crowding out American arms almost entirely in the case of the more expensive qualities, and wholly in the case of cheap articles. The Belgian proof-house is at Liege, and in England there is one at Birmingham; the proof-marks of the Gunmakers' Co., a London guild, are considered valid also. It is the council of the German Confederacy which determines what foreign proof-marks will be accepted as equivalent to the domestic.

As the government of the United States would not be likely to set up an establishment for the purpose of inspecting and stamping firearms of private manufacture, the American gunmakers would probably be obliged to combine and set up something of the sort under their own auspices if they considered the German trade worth keeping. But there would be nothing to prevent their getting the prestige which would come from having proof-tests conducted at a government armory, they guaranteeing the government against any expense thus incurred for their private profit.

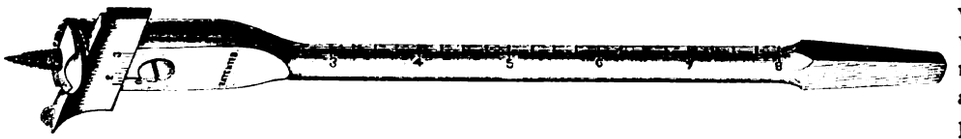
Pocketknite blades are very unevenly tempered. Even in so-called standard cutlery some blades are hard and some are soft. For the latter there is no remedy, but the temper of hard blades can easily be drawn slightly. Take a kitchen poker and heat it red hot, have the blade that is to be drawn, bright, and hold it on the poker for a moment. When the color runs down to violet blue stick the blade into a piece of tallow or beef suet until cold.

The Cumberland Nail & Iron Co., Bridgeton, N. J., have resumed operations, after an idleness of over a year.

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A Record Breaker.

Clark's Improved Pattern Expansive Bit is a comparatively new tool, having been on the market but a year, but it has had such unprecedented sales and has proved so uniformly reliable, that we deem it worthy of special mention. This tool is marketed by Tower & Lyon, No. 95 Chambers Street, New York. The accompanying illustration gives some idea of its good points. It is made of cast steel, in three pieces; the stock or shank, the cutter, and the screw. The manufacturers state that one of the features of this tool is the spring cap, formed by a cut, separating but not detaching the face of the stock. Another point in its favor is that the shank is graduated for depth, an advantage that will appeal to any mechanic; there is no loose clamp plate to lose. The makers inform us that thousands of dozens of these tools have been marketed and not a single one has been returned as defective.



Making of Isinglass.

We venture the statement that there is not a more interesting manufactory in the State than the Isinglass Works connected with the Boston Flint Paper Co., occupying the plant of the Wire Works, recently fitted up with suitable machinery. The work is the converting fish sounds, which come to the factory in bulk, into rolls of fine ribbon-like gelatine, or isinglass. Two heavy grinders macerate the sounds into sheets of a half inch thickness. These are passed through successive rollers until a fine ribbon-like substance is given. This is dried, and later on wound into coils of a few pounds each, and packed into cases containing 115 to 120 pounds. The material used is largely hake sounds, which come from along the coast. Superintendent Grimes called our attention to the stock recently imported from Bombay, India, boxes of Bombay crabs, which make very clear isinglass. The sounds which come from the Maracaibo Pike make a handsome article.

The isinglass with which many are familiar is in reality a food product. Its chief use is in clarifying beer, and in chemical work; it also enters into gelatine and glue compounds. That there is a wide demand for the article was shown to us by the consignment of ten half cases shipped Saturday to California parties. The isinglass cannot be made in warm weather; the rolls through which the sounds are drawn would refuse to work. So the months of December and January are utilized. The day we looked in there were forty men busy, and the machinery was all working smoothly. But the product is of so fishy a nature, we imagine there are times when the work is like handling a boat load of eels.—*Hallowell (Me.) Register.*

The Making of Shot.

The shot-making trade has a legend which recites that back in the days when guns were shot off by lighted matches and were swiveled to supports because they were too big and clumsy to be lifted to the shoulder, and when all shot was molded as bullets are to-day, some workmen were fastening an iron grating to the wall of a castle. They had cut out the hole in the stone, and after placing the iron in the hole, poured some lead in to hold the iron in place, just as they do to-day. Some of the lead escaped and ran over the edge of the wall into the moat below. Soon afterward the attention of the soldiers was attracted to the lead in the clear water, and dipping it out they found that the metal in falling from the height had become globules. After that those soldiers made their bullets by sprinkling melted lead over the castle wall into the waters of the moat.

But pure lead will not always assume the globular form when melted and thrown from a height into water, so shot-makers mix with it metallic arsenic, which not only makes the lead form into spherical pellets, but adds hardness to it.

The melting is done in the top of the tower, where a large melting kettle stands over the coal fire. In the centre of the floor is fixed a colander, with holes varying from 1-50th to 1-360th of an inch. Directly under the colander, 200 feet below, is a well of water, and all day long a shower of molten lead is falling into the water from the colander. The lead ingots are taken to the top of the tower in elevators, and the arsenic is mixed with it in the melting kettle. One man attends to the kettle and another keeps the colander supplied with the molten metal. A pipe leads from the kettle to the colander and the supply is regulated by a valve. The man at the colander continually skims the "cream" or scum of oxide from the top of the lead and sees that the lead passes through the holes freely. Near at hand is the "telltale" which shows him how the shot is running. It is a cup fixed to an endless wire which leads into the water. He sends the cup down by turning a handle and it dips into the shot lying in the water and brings up a sample of the run. The shot is always larger than the holes in the colander, for it swells while become globular in passing through the air. The shot is formed in its downward flight, and the water serves not only to cool it quickly but acts as a soft cushion so that the shot is not flattened when it strikes the bottom. The shower of shot patter into the water, churning it to foam, and the small pellets resemble a small section of a heavy downpour of rain.

A Great Fly-Wheel.

Among the most recent and novel applications of wire, perhaps none has greater interest to the mechanical world than that presented by the new wire fly-wheel lately erected at the Mannesmann Tube Co.'s Works, Germany. Heavy fly-wheels, driven at high velocities, obviously present dangers of breaking asunder from the great centrifugal force developed. The wheel at the factory mentioned consists of a cast iron hub or boss, to which two steel-plate disks or checks, about twenty feet in diameter, are bolted. The peripheral space between the disks is filled in with some seventy tons of No. 5 steel wire, completely wound round the hub, and the tensile resistance thus obtained is far superior to any casting. This huge fly-wheel is driven at a speed of 240 revolutions per minute or a peripheral velocity of about 2 8 miles per minute (250 feet per second, approximately), which is nearly three times the average speed of any express train in the world. The length of wire upon such a constructed fly-wheel would be about 250 miles. The use of paper is also regarded with favor as a face for large fly-wheels, the tensile strength of paper being enormous, and it is quite possible that some of the new big fly-wheels will be built up with a paper rim.

Stockholders of the Girard (Ohio) Stove & Foundry Co. have elected the following directors: Thomas Parrock, H. B. Shields, F. A. Williams, W. J. Wallis, L. S. Crum, A. Obendorfer, Fred Andres and William Farr. The directors elected these officers: President Thomas Parrock, vice-president and general manager W. J. Wallis, secretary F. A. Williams, treasurer L. S. Crum.

A man went into a Portland (Me.) Hardware store and asked for a second-hand coffin. He said he kept a country store and thought he would keep second-hand coffins for sale. He thought the Portland stores kept everything from hornet's nests to second-hand coffins, and was grievously disappointed to find they didn't.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

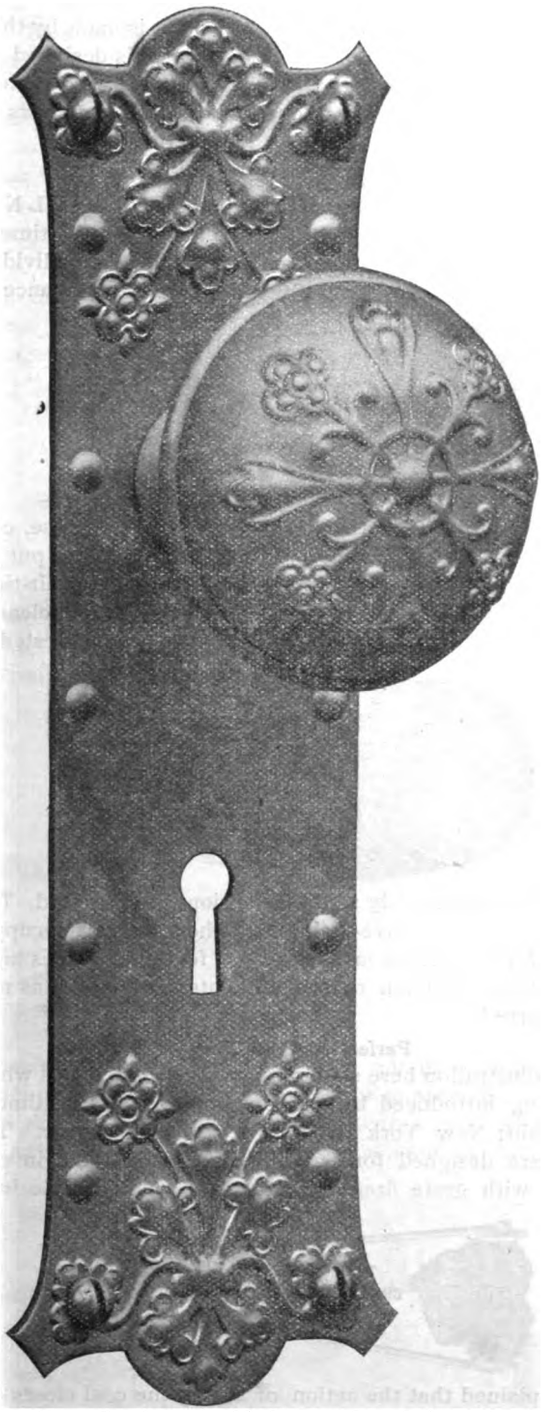
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

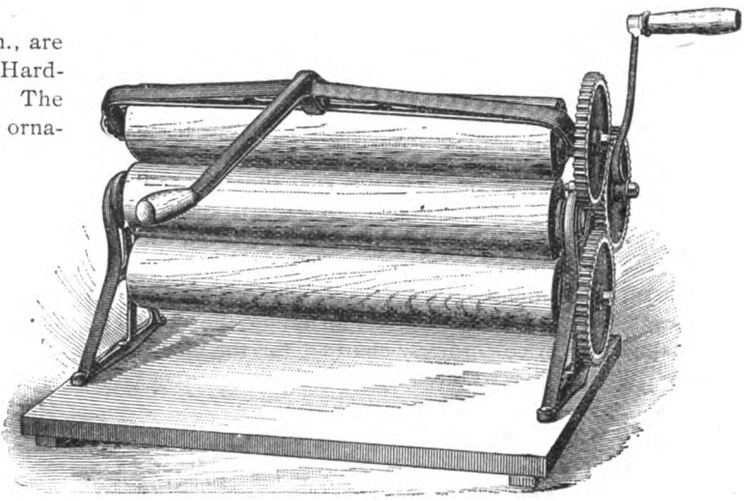
Trilby Hardware.

The Norwalk Lock Co., of South Norwalk, Conn., are placing on the market an artistic line of sheet metal Hardware which is finding a ready sale among the trade. The company, feeling the demand for a cheaper line of ornamental goods than could be produced in cut metal and which would have the appearance and wearing qualities of the cast goods, have brought out this popular line of "Trilby" Hardware, upon which they would be pleased to quote prices upon application.



The Petersen Mangle.

Petersen & Fischer, No. 166 Pierrepont Street, Brooklyn, N. Y., are offering the trade the Mangle here shown. It consists of three rollers, the top and bottom ones being revolved by the use of a crank and gearing, while the middle roller is revolved by contact with the upper and lower ones. The pressure is regulated by a hand lever. All parts are interchangeable, and extra rollers can be obtained. It produces a gloss equal to that obtained by an iron. The adjustment of the rollers is perfectly automatic. This machine is described as cheap, durable, and useful, and is said to save time, labor and coal, and preserve the fabric of the clothes. It retails for $5 and the wholesale price is $3.20.



National Barrel Drainer.

The National Specialty Mfg. Co., Philadelphia, Pa., have recently put on the market a new Barrel Drainer, illustrations of which appear here. Fig. 1 of the accompanying illustrations show the Faucet and Drainer in practical use; Fig. 2 shows the Drainer in sections. It is designed for use in connection with their National Measuring Faucet, and will drain a barrel of molasses to the last drop. The Drainer is threaded in the outlet to receive the Faucet. Two grapples are worked automatically by a thumb-nut, which is turned back until the grapples come together. The grapples are then inserted in the bung hole of the barrel and the thumb-nut tightened, when it will be found that the Drainer has become affixed to the barrel, the joint being conformed to the shape of the barrel and made perfectly tight by a rubber packing. A reversal of the operation instantly removes the Drainer. When once attached to each other, the Faucet and Drainer may be used repeatedly without being taken apart. The Drainer fits ove any size bung-hole and dispenses entirely with bung augers.

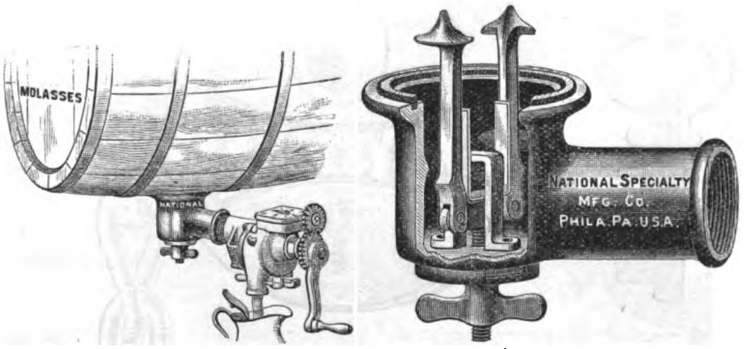
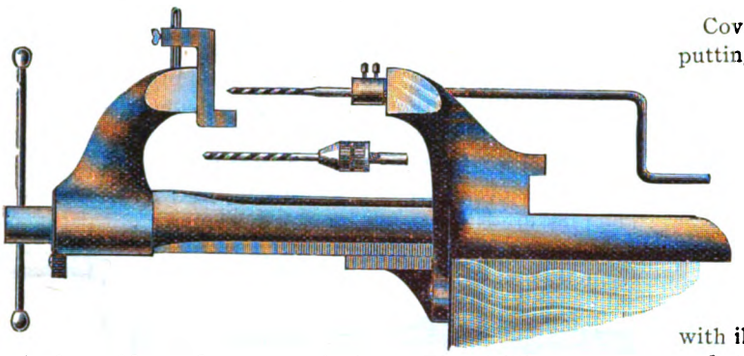


FIG. 1. FIG 2.

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Pratt's Vise and Drill No. 2.

The Millers Falls Co., No. 93 Reade Street, New York, are putting on the market the Vise and Drill shown in the accompanying illustration. The jaws of the vise are of steel,



4 inches wide, and open 11 inches. The drilling attachment, including the chuck, are sold with the vise. The drill socket fits a ½-inch drill shank also the shank of the drill chuck, so that holes may be drilled from 1-32 to 1 inch in diameter. The drilling attachment, it is explained, may be removed by loosening one set screw. The makers state that the drill is adapted to nearly all kinds of work, that they are selling the tool complete, including the chuck, at about the same price formerly charged for the vise alone, and that the tool is warranted by them to give perfect satisfaction.

New Shackleless Automatic Padlock.

The Keystone Lock Works, E. T. Fraim, proprietor, Lancaster, Pa., for whom J. C. McCarty & Co., No. 97 Chambers Street, New York, are agents, are introducing the



FIG. 1.

shackleless automatic padlock shown in the accompanying illustrations. The lock is two inches in size, made of high bronze metal, and is referred to by the makers as being strictly first-class in every particular, automatic in action,

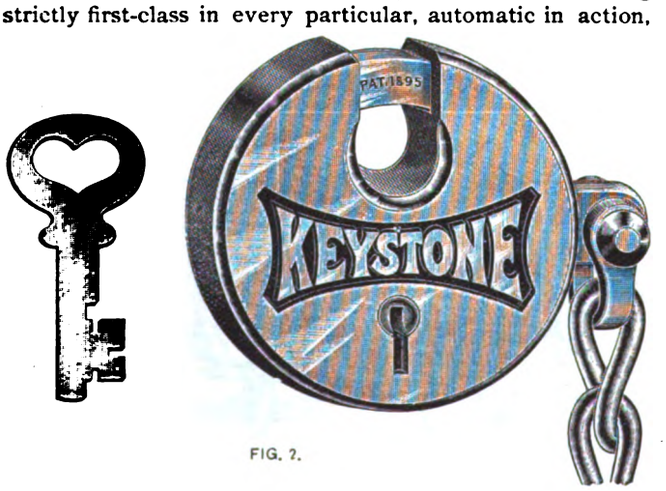
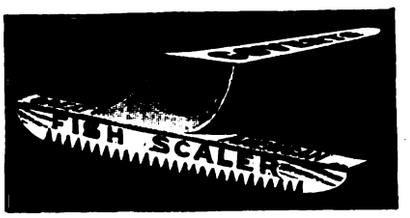


FIG. 2.

practically unpickable, and as without weak points. In operation the staple is inserted in the recess of the case, and when the staple strikes the projection marked A in Fig. 1 it releases the locking bolt, which automatically springs in position and securely locks. The locks are finished in good style with letters in black enamel relief, are provided with two nickel-plated flat steel-keys, and are packed in half dozen boxes, the changes all different.

Covert's Improved Fish Scaler.

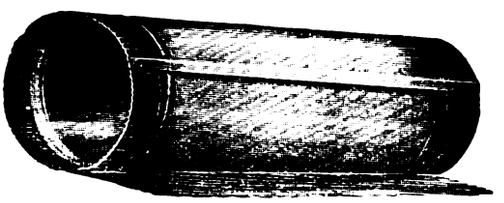
Covert's Saddlery Works, of Farmer, N. Y., U.S.A., are putting on the market their Improved Fish Scaler, as here-



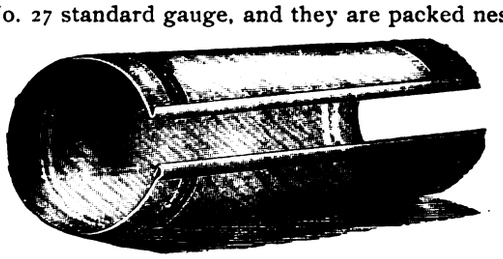
with illustrated. The Scaler is now made entirely of iron and steel, plated with a non-corrosive metal. The rapidity and ease with which a fish can be cleaned with the Scaler, is referred to by the makers, and the point is made by them that it does not tear the fish. The Scaler is designed for use in fish markets and in families; also by fish peddlers. A sample Scaler can be obtained of the manufacturers by mail, for ten cents.

The "X L N T" Stove Pipe.

The accompanying illustrations represent the "X L N T" stove pipe as made by the B. C. Bibb Stove Co., Baltimore, Md., and claimed by them to possess several individual points of merit. Among these points are an avoidance of



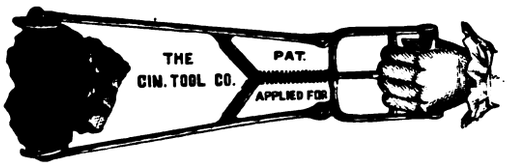
dirt and smut, so that they are perfectly clean in use, convenience of handling, ease with which they are put together, and the fact that they make a strong, air-tight joint. Every joint is made of Harvey's patent cleaned iron, No. 27 standard gauge, and they are packed nested so



that but comparatively small dimensions are required. Two hundred joints of five-inch pipe, when nested, occupy a space of two feet square and two feet five inches high. They are packed ten or twelve joints in a bundle, as may be preferred.

Perfection Coal Tongs.

The illustration here shown represents Coal Tongs which are being introduced by the Cincinnati Tool Co., Cincinnati, Ohio; New York office, No. 67 Reade Street. The Tongs are designed for handling bituminous coal in connection with grate fires and are made of malleable iron.

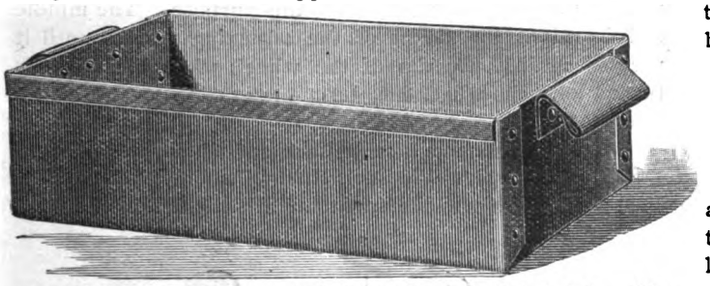


It is explained that the action of lifting the coal closes the jaws, the weight coming upon the T-shaped slide; that the heavier the lump the easier it is handled, and that a child can use the Tongs with ease. The total length of the Tongs is sixteen inches, and they are furnished in japan or nickel.

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The J Steel Tote Box.

The accompanying illustration represents a sheet steel Tote Box put upon the market by the Kilbourne & Jacobs Mfg. Co., Columbus, Ohio. This box is made of a single sheet of pressed steel of any desired gauge. The upper edges of the sides are lapped one-half inch, stiffening and



strengthening the box, and giving it a smooth finish. The handle is riveted on each end and is of same gauge steel as box. This box being flat on bottom, and corners stiffened by laps, as seen in illustration, can be piled one upon another, ten or twelve deep, without danger of "buckling" or crushing under the strain. The weight of the box complete, only eight pounds. The manufacturers state that the box is suitable for handling bolts, rivets, screws, nails, nuts, washers, small castings, ore, quartz, and other rough or heavy substances used around machine shops.

The New Idea Nail Set.

The Storm Mfg. Co., Newark, N. J., for whom John H. Graham & Co., No. 113 Chambers Street, New York, are sales agents, are just placing on the market the New Idea

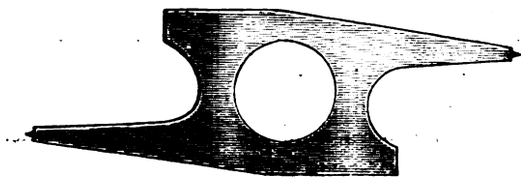


FIG. 1.

Nail Set, which is fully described and illustrated here. Fig. 1 shows the Set; Fig. 2 shows the way it should be held by mechanics when in use; Fig. 3 shows the way it is carried when nailing up work. The manufacturers state "that the

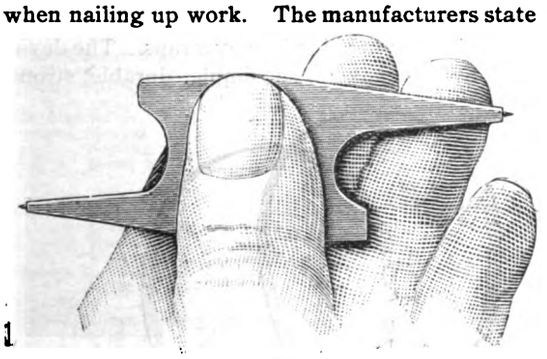


FIG. 2.

Sets are carefully made from the best quality of tool steel. The points are turned and thoroughly tempered, and will not break off." They also state that "one trial will convince anyone that it is a great improvement over the old

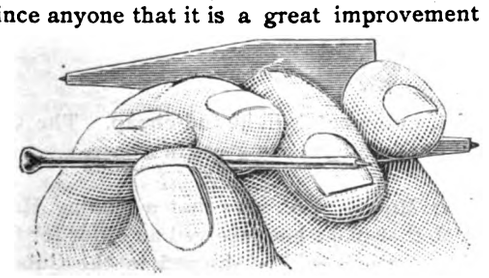


FIG. 3.

style. It is handy to carry, and not easily lost. It has the celebrated diamond point, which prevents its slipping; is double-headed, and really two sets in one." Put up in one-fourth and one gross boxes.

New 25-36 Marlin Cartridge.

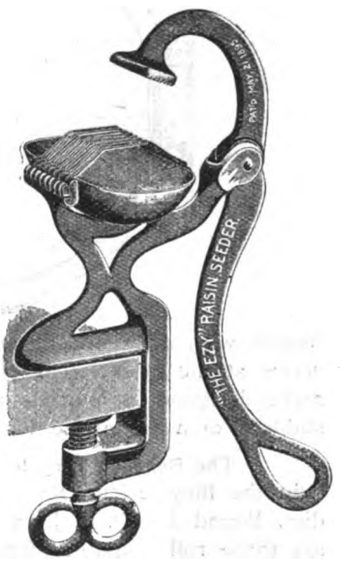
The Marlin Fire Arms Co., New Haven, Conn., are offering sportsmen a new 25-36 Cartridge, illustration of which is here given. The Cartridge is loaded with thirty-six grains of powder, and has a 106-grain bullet with metal patched sides and soft lead point. The company states that owing to the mechanism of our action, cartridges can be used varying in weight and length, from the empty shell



as a minimum up to the full-sized cartridge as a maximum, thus allowing the use of varying proportions of powder and lead.

The "Ezy" Raisin Seeder.

The American Specialty Co., Hartford, Conn., and No. 132 Lake Street, Chicago, are placing on the market the "Ezy" Raisin Seeder, patented May 21, 1895. They claim it to be not only "the most practicable, but at its low retail price, twenty-five cents, a sure trade winner. In operation, the meat of the raisin is crowded up into the grooved presser-head, and the seeds, unbroken, forced through the wire bed into the removable tin cup. The form of wire bed gives increased strength, and wires being spring tempered, do not become broken or bent. With work in sight, a child can seed a pound of raisins in five minutes."



New Iron Bench Level.

C. E. Jennings & Co., No. 79 Reade Street, New York, are putting on the market two new Iron Bench Levels, illustrations of which appear here. Fig. 1 represents the ordinary Level; Fig. 2 shows a Level that can be fastened to a square or straight edge, thus obtaining a Level for greater surfaces. The makers state that the Levels are made from solid castings and built on heavy stands, which prevents them from breaking, if dropped. It is further stated that



FIG. 1.

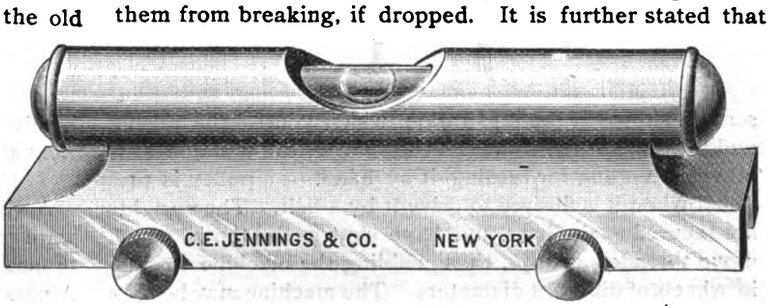


FIG. 2.

the Levels are inspected and warranted positively accurate. The Levels are four inches long and come japanned or nickeled.

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ILLUSTRATED BICYCLE NOVELTIES.

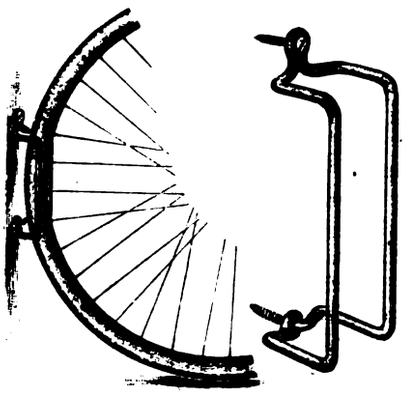
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Standard Bicycle Holder.

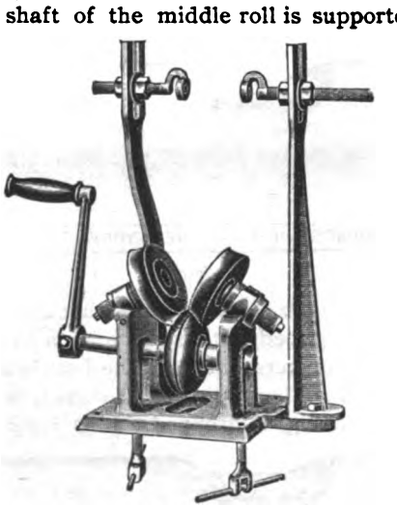
The illustrations here shown relate to a Bicycle Holder offered by the Hamblin & Russell Mfg. Co., Worcester, Mass. The Holder is made of wire about 6 inches in



length, with a thread cut on one end and a loop for a screw at the other. The Holder is here shown in use, and is designed for putting up in the house, shop, shed, stable or on a post at the door.

The Benedict Bicycle Rim Rolling Machine.

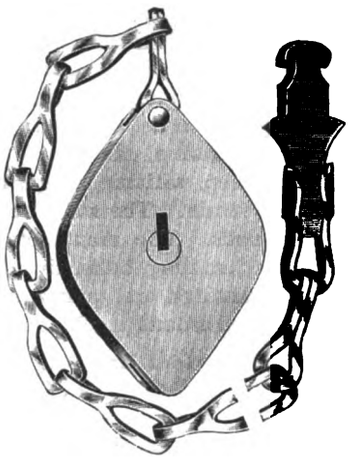
In the Bicycle Rim Rolling Machine made by B. Benedict, Bound Brook, N. J., and herewith illustrated, there are three rolls capable of revolving on their axis. The shafts of the two outside rolls are threaded and are held in position by two nuts which clamp against the open slotted jaws in which these shafts rest. The distance between the rolls is adjusted by these nuts, thus enabling the machine to take in any wheel, no matter how far the spokes are apart. The shaft of the middle roll is supported on two



screws, shown in the illustration, which control the raising and lowering of the roll. To the shaft of the middle roll is attached a crank for turning it by hand, or a pulley is provided when it is desired to drive it by a belt. The uprights are secured to the base and have slots at the top in which move threaded clamps, thus enabling the machine to take in wheels of different diameters. The machine may be used for truing up a bent rim or for spreading a metal rim to increase its diameter. To true a wheel one of the outside rolls is removed by loosening the nut. The wheel is then placed in position and the roll put back. The shaft of the wheel is secured to the clamps on the uprights, the two nuts of the wheel being used for this purpose. The middle roll is raised by means of the adjusting screws until it presses against the rim of the wheel, when the crank is turned until the wheel has been brought to a true condition.

Diamond Bicycle Lock and Chain.

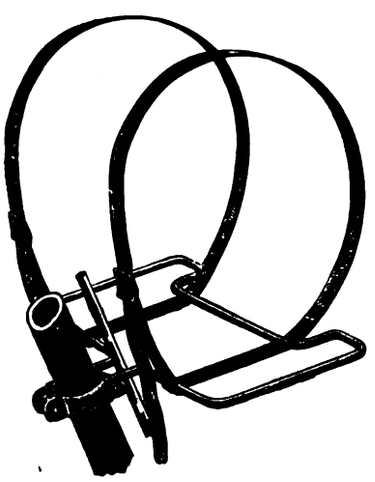
Robert H. Ingersoll & Bro., No. 65 Cortlandt Street, New York, are offering to the trade the Diamond Bicycle Lock



and Chain, illustration of which is herewith shown. The chain is of brass strongly made as is the lock. It has a revolving key hole, and in unlocking, the clasp must be withdrawn or it will remain locked. These locks and chains are finished in either brass or nickel and sell for 25 cents.

Bay State Adjustable Bundle and Luggage Carrier.

The accompanying illustration represents an Adjustable Bundle and Luggage Carrier for bicycle use offered by Hamblin & Russell Mfg. Co., Worcester, Mass. The Carrier is made of steel wire, handsomely nickel-plated, fastening to the steering head of any style of safety machine. The articles carried are held in place by straps. The device is referred to by the makers as simple, durable, strong,



handsome, useful, ornamental, light and cheap. The Carriers are packed one in a box, one gross in a case.

A dispatch from Mobile, Ala., says that a leading Hardware merchant of that place has received an order for fifty thousand cartridges, which will be shipped to the Cubans. A passenger from Tampa reports that arms and ammunition are brought into Port Tampa daily from New Orleans and elsewhere and shipped in barges and schooners across to Cuba. The people of Tampa, he said, are in sympathy with the insurgents and assisting them in every possible way.

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Fayette R. Plumb's New Discounts.

Fayette R. Plumb, Philadelphia, the well-known manufacturer of tools, issues the following revised discount list, under date of July 1st:

Hammers, "Artisans' Choice," Octagon Pattern Adze-Eye Nail.	40-12½%
" " " A. E. B. P. & A. E. Nail	40-12½%
" Adze-Eye and Adze-Eye Bell-Face Nail	40-12½%
" Plain-Eye Nail	40-12½%
" Vulcan Tool Co.'s Adze-Eye Nail	50%
" " " Plain-Eye Nail	50%
" Quaker City Mfg. Co.'s Adze-Eye Nail	50-15%
" Brad	50%
" Carpet	50%
" All Adze-Eye Farriers'	50%
" Plain-Eye and English Farriers'	50%
" "Tinners' Favorite" Riveting and Paneing	50%
" "Tinners" Riveting and Paneing	50%
" Adze-Eye Riveting	50-10%
" Plain-Eye "	50-10%
" Engineers'	60%
" Blacksmiths' Hand	60%
" Coopers'	60%
" Chipping	60%
" Prospecting	50-15%
" Carriage Ironers'	50-15%
" Machinists', Round Pattern	60%
" "Mechanics' Pride," Octagon Pattern Ball Pein	50-10%
" Machinist', Octagon Pattern	60%
" Horseshoe Turning	60%
" Shoe	40
" Bill Posters'	40%
" Brick	40-12½%
" Cornice Makers'	40-12½%
" Belgium and Cobble Pavers'	40-12½%
Picks, Prospecting	40-5%
Hatchets, S. C. S., Shingling, Half, Claw and Lath	40-7½%
" " Broad	50%
" " A. E. B. P. Shingling and Half	50%
" " Boston Pattern Lathing	50%
" " Underhill " "	50%
" " A. E. B. P. Lathing	50%
" " Chicago Pattern Lathing	50%
" " Philadelphia " "	50%
" " Fireman's	40-7½%
" " Ice	40-7½%
" Shingling and Half Bronzed	40-7½%
" Claw and Lathing Bronzed	40-7½%
" Barrel and Broad Bronzed	40-7½%
" Vulcan Tool Co.'s Shingling and Half	50-5%
" " " " Claw and Lath	50-5%
" " " " Broad	50-5%
" Warehouse	40-7½%
Axes Boys' and Hunters'	40-7½%
" Broad, Ohio Pattern	40-7½%
" " Pennsylvania or Pittsburg Pattern	40-7½%
" " Western Pattern	40-7½%
" " New Orleans "	40-7½%
" " Canada Pattern	40-7½%
" " Ship Pattern	40-7½%
Adzes, Carpenters'	40-7½%
" Railroad	40-7½%
" Ship Carpenters'	40-7½%
Hooks, Bush, Axe Handle, Auckland and Two Ring	40-12½%
Cleavers and Choppers, Wrapped Iron Handles	40%
" " "	40%
Axes, Butchers', German Pattern	40%
Cleavers, Butchers', German Pattern	40%
Beef Splitters	40%
Hammers, Drilling or Striking, Extra Tool Steel	70%
" " "	75-5%
" Hand Dri'ling and Stonecutters'	75%
" Napping	75%
" Macadamizing	75-5%
Sledges, Stone	75-5%
Hammers, Stone Breaking	60%
Axes, Stone	70%
Hammers, Spalling or Stone	75-5%
" " " Vulcan Tool Co.'s	75-5%
Reels, Masons'	75%
Hammers, Masons'	75%
" Sorting	75%
" Bush, with Leaves	50-15%
" "	50-15%
" Vulcan Tool Co.'s Drilling or Striking	75-5%
Sledges, " " " Stone	75 5%
" Blacksmiths'	75-5%
" Horseshoe Turning and Coal	75-5%
" Vulcan Tool Co.'s Blacksmiths'	75-5%
Hammers, Backsmiths' Hand	75%
" Boiler Makers'	60%
Anvils, Plow	60%
Swedges, Fullers, Flatters and Hardies	70-12½%
" Collar	70%
Set Hammers, Creasers and Punches	70%
Heading Tools and Pritchels	70%
Pincers	60%
Buttress, Nippers and Extra Heavy Pincers	50%
Button Sets	60-10%
Tongs, Straight and Curved Lip	60%
" Special Patterns	50%
Drivers, Coopers'	50%
Chisels Blacksmiths' Cold and Hot	70-12½%
Rock Drill Sharpening Tools	60-15%
Chisels, Hand Chipping and Cape, Extra Tool Steel	60%
" " " Crucible Steel, List 36 cts	60%
Pitching Tools and Points	50%
Chisels, Stonecutters' and Brick	50%
Wedges, Falling	75-5%
" Oregon Pattern, Extra Tool Steel	70-5%
" " " Crucible Steel, List 36 cts	75-5%
" " " Vulcan Tool Co.'s	75-5%
" Truckee "	70%
" Vulcan Tool Co.'s Truckee Pattern	75%
" Quaker City Mfg Co.'s	70-10%
" Stone	70-10%
" Coal	70-10%
Plugs and Feathers	50%
Wedges, Saw	70%
Mauls, Wood Choppers', Oregon Pattern, Extra Tool Steel	70-5%
" " " " Crucible Steel, List 36 cts.	75-5%
" " " Vulcan Tool Co.'s Oregon Pattern	75-5%
" " " Washington Pattern	75-5%
" " " Straight Cut	75-5%
" Ship	75%
" Railroad	75-5%
" Vulcan Tool Co.'s Railroad	75 5%
Punches, Railroad Track	70%
Chisels, " "	70-12½%
Railroad Tongs	50-10%
Forks and Wrenches	50%
Crowbars, Pinch and Wedge Point	70%
Bars, Railroad Tamping and Lining	70%
" " Claw	70%
Picks, Boiler and Mill	40-10%
" Quarry	75%
" Stone	75%
" Railroad	60-20%
" " V Tamping	60-12½%
" " T "	60-12½%
" Ore	60-12½%
" Contractors'	60-7½%
" Surface	60 12½%
" Drifting	60-12½%
" Pole	60-12½%
" Common Eye, Coal	50 15%
" Adze-Eye, Coal	50-15%
Mattocks, Long and Short Cutter	60 20%
" " " " Light Pattern	60-20%
" Pick	60-20%
" Asphalt	50 10%
Hoes, Grub	60%
" " Southern Pattern	60%
Froes, Coopers'	50-10%
Picks, Railroad, Solid Cast Steel	60-20%
" " V Tamping, Solid Cast Steel	60-12½%
" " T " " "	60-12½%
" Surface, Solid Cast Steel	60-12½%
" Drifting, " " "	60-12½%
" Pole, " " "	60 12½%
" Common Eye, Coal, Solid Cast Steel	50-15%
" Adze " " " "	50-15%
Eyes, Pick, Railroad and Tamping	60 15%
" " Surface and Drifting	60-15%
Stakes, Cornice Makers'	50%
Hammers, Assorted Nail, Farriers' and Riveting	40-12½%
Hatchets, Nickel-Plated Octagon Pole	50%
" Silver Bronzed " "	50%
Hatchets	40 7½%
Cleavers and Splitters	40%
Axes	40%
Knives, Hedge	40-12½%
Mattocks, Asphalt, Improved Philadelphia Pattern	40-12½%
Chisels	65%
" Splitting	70%
Wedges, Lake Superior Pattern	75-5%
" Coal	70-10%
" California Pattern	75-5%
Hammers, Stone Cutters' Handled	50%
" Side	65-5%
Sledges and Slashing Hammers	75-5%
Mauls, Wood Choppers', Truckee and Lake Superior Patterns	75-5%
Sets, Hoop, Heavy Pattern	50%
Tongs, Chain	50%
Hammers, Plain-Eye Brick	40-12½%
" Boiler Makers' Riveting	60%
" Mallery's Pat. Horseshoe Turning and Fitting	60%

Terms, 60 days, or 2% Cash, 10 days

Joseph Bardsley's New List.

Joseph Bardsley, Nos. 147 to 151 Baxter Street, New York, announces that as a result of increased sales and improved methods of manufacture, he has been enabled to make a material reduction in the prices of Checking Spring Hinges. The new list goes in force August 1st, and is given here:

No.	For Outside Doors.	Or Inside Doors.	Per Door, Complete.
1		2 feet 9 inches wide.	$8.00
1½	2 feet 6 inches wide.	2 feet 9 inches wide.	9.00
2	2 feet 9 inches wide.	3 feet wide.	10.00
3	3 feet wide.	3 feet 6 inches wide.	12.00
4	3 feet 6 inches wide.	4 feet wide.	14.00
5	4 feet wide.	4 feet 6 inches wide.	16.00

Bicycle Shows for '96.

While the L. A. W. was holding its big meet at Asbury Park the executive committee of the Board of Trade held a session. President A. G. Spalding, Walter Burnham, Secretaries A. Kennedy-Child and E. R. Franks and Messrs. R. L. Coleman, Walter Measure and Joseph McKee were present. It was decided that the Chicago show should open on January 7, 1896, and the New York show at Madison Square a week later. The allotment of space for the Chicago show will be made on October 2d and for the New York show on October 9th.

The Grand Crossing Tack Co., Grand Crossing, Chicago, Ill., have just completed their large wire nail mill, and are now moving into it the wire nail machines which they have heretofore operated in their tack factory, and they are also putting into position in this mill the wire nail machinery which they purchased last spring from the receivers of the McCash plant at Burlington, Iowa. The mill as soon as in complete operation, will have a capacity of 1200 kegs wire nails per day.

The Jos. Dixon Crucible Co.'s calendar card for July, shows an average New Jersey girl engaged in shooting fireworks composed of American Graphite Pencils.

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RECENT TRADE PUBLICATIONS.

No single treatise or other work hitherto published on the India Rubber industry, gives an insight into such a variety of uses of this important material as does the new "Descriptive Catalogue and Price List" of the New York Belting & Packing Co., Ltd., a bound volume of one hundred pages. We have often noted the growing value of the trade catalogues of manufacturers as a part of the industrial and scientific literature of the day, and it seems that these are to take the place largely of regulation books such as issue through the publishing houses in relation to many branches of industry. This style of catalogue is a distinct departure from others, in that it combines the artistic with the practical. The commonplace and somewhat monotonous trade catalogue is enlivened by sketches and descriptions that, in a pleasing way, convey an idea of the various uses of rubber, besides containing much information on the methods of manufacture, in which respect it marks a wide difference from the former policy of manufacturers, of keeping secret all facts of this kind. This catalogue is introduced with some notes on the history of the New York Belting & Packing Co., Ltd., with illustrations and descriptions of their three factories. Some account of their trade marks follows, after which comes the department of rubber belting, to which thirteen pages are devoted. There is an account of rubber belting in general, followed by detailed descriptions of the belting made by the company for grain elevator use, threshing machines, paper mills, etc., price lists of leather and rubber belting, and information of value on the use and care of belts, rules for calculating the speed of pulleys, rules for calculating horse power, how to splice belts and other similar information. Twenty-four pages are devoted to rubber hose, with an account of its manufacture; steam hose, which is an important product of this company, occupies three pages, with valuable tables and lists; one page is given to air-brake hose, two to fire hose, four to cotton hose and the "Leatherite" treatment of same, three to suction hose, seventeen to mats and matting, including the company's new patented rubber tiling, which they have supplied to the new steamers *St. Louis* and *St. Paul;* eight pages are given to packing, gaskets and tubing, and six to emery wheels. Considerable space is devoted to specialties of which a large variety are illustrated, together with remarks on vulcanization and mold work. Bicycle tires are briefly disposed of, as a separate pamphlet has been published on this subject. A double index, new and convenient in arrangement, gives the pages of both the lists and descriptions of articles. It is well described as "the most complete, comprehensive and rubber goods catalogue that has ever been issued."

The Perpetual Catalogue issued and distributed by the Michigan Stove Co., manufacturers of the Garland stoves and ranges, Detroit, Mich., is certainly the finest and most unique of its kind ever seen by us. It is in the form of a portfolio, made of heavy cardboard bound with green canvas, and fastened with a silver clasp which is stamped with the trade mark of the Garland stoves and ranges. The front of the catalogue is further ornamented by edging of a darker color, and still further enriched by the trade marks of the Garland and Michigan stoves and ranges in silver. In a pocket on the inside cover is a beautiful catalogue, the cover done in blue and silver, bearing the words "What Others Think Of Us," "Compliments of The Michigan Stove Company," the first letter in every word being printed red. The frontispiece of the book shows the officers and directors of the company, and scattered through its pages are views of the offices, salesrooms, and the different departments of the enormous factory, and giving an interesting account of all under the title of "A Visit To A Stove Foundry." The portfolio is provided with indexed compartments similar to those of a letter file, but instead of being indexed with letters they are marked as follows: "Steel Ranges," "Cookers for Coal and Wood," "Cookers for Wood Only," "Heaters for Coal," and "Heaters for Wood." In these compartments are found half-tone illustrations of the above named stoves. The manufacturers themselves say of the catalogue: "We take pleasure in handing you herewith what we can safely say is the most costly and complete stove catalogue ever issued. The half-tone plates are made from photographs direct from the goods themselves, therefore are exact *fac-similies*. They are of a size which will show the goods up to better advantage than the wood cuts usually used in price lists, and we think will be acceptable to all of our patrons." We heartily endorse the above statement.

The Steward & Romaine Mfg. Co., No. 123 North Sixth Street, Philadelphia, have issued a catalogue and price list of their single and double Patent Parallel Expansion Bolts, of which they make a large number of varieties. In a note of introduction describing these goods the company say: "We desire to call the attention of architects, engineers, builders, carpenters, masons, machinists, Hardware dealers, plumbers, steam heating companies, railing manufacturers, workers in iron, electric street railroads, electric companies, and all others whose business requires the use of fastenings of great strength, security and easy application, to Expansion Bolts. It will be seen that their greatest use is in places where it is not desirable or practicable to drill through the material to which the fastenings are to be made, and for such cases there is no better method of doing the work. It is an improvement on all other kinds of known fastenings. The facility with which they are put in and tightened will be found to make the completed work cost less than the old imperfect fastenings. This Bolt has also the very great advantage over every other fastening, that it can be removed with as much ease and facility as applied, and without injury either to the article fastened, that to which it was fixed, or the bolt itself. For fastening materials of all kinds to stone or brick work, screw eyes for trolley wire support for electric street railroads, guys for smoke stacks, fire escapes, vault lights, brackets for steam heating purposes, engine beds to masonry or solid rock, bridge work, window and door frames, cornices, elevator tracks in buildings, railings, signs of all kinds to store fronts, etc., nothing can be found to equal it."

We have received from Edward Darby & Sons, Pennsylvania Wire Works, Philadelphia, Pa., two catalogues, numbered 27 and 28. No. 28 is the revised catalogue for 1895. The firm make the following statement: "We present our revised catalogue for 1895 and trust you will find it of sufficient value to examine and preserve it for all your needs, both present and at any future time. Your attention is called to the numerous improvements and to the new articles which we have added to our extensive list of manufactures, and also to take special notice of the changes in our lists. We take pleasure in knowing the fact that we are receiving a large increase of trade from our old customers and also from many new ones, which is very gratifying to us, and assure those who intrust orders to us that it shall be our constant aim to endeavor to attend to the same promptly and satisfactorily." No. 28 is a 158 page publication and is devoted to everything in wire and iron, including the following: Brass bank work, radiator guards,

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nursery guards, wrought iron gratings, spark guards, roof crestings, coal and sand screens, iron bedsteads, wire flower stands, sieves and riddles, adjustable window screens, screen doors, stable fixtures and a host of others too numerous to mention. Catalogue No. 27 is issued as an appendix to catalogue No. 24 and is dedicated to ornamental iron work, of which it shows many handsome designs.

David Williams, Nos. 96–102 Reade Street, New York, has published a work entitled "Domestic Electrical Work," a copy of which is at hand. It was written by William A. Wittbecker, and is a concise and practical explanation for plumbers, tinners and Hardware dealers, as to the proper wiring of buildings for bells, alarms and annunciators, and for gas lighting from batteries. It is illustrated with twenty-two diagrams. That there is a growing demand for simple electrical apparatus in dwelling houses, offices and workshops, and also a need of plain instructions whereby any person without a previous knowledge of electricity may be enabled to undertake their successful instalment, is a fact that will be generally recognized, and has prompted the publication of this book. "It is not intended," says the author, "for the amateur who seeks for nothing but experimental work, neither is it expected to enlighten the expert electrician; but to the person who is seeking for information that will assist him in increasing his daily earnings this little volume is addressed. The information given is above all else practical, and with a close observance of the directions laid down anyone without the slightest knowledge of electricity should be able to do the work described." The price in paper is 25 cents, and in cloth 50 cents.

The Remington Arms Co., Ilion, N. Y., have issued another of their always attractive arms catalogues, dated May, 1895. The cover is of grey linen paper, while the inside pages are of heavy calendared paper. It contains thirty four pages, giving illustrations and particulars concerning the justly celebrated productions of the Remington Arms Co.—guns, rifles, revolvers, reloading tools, sights for all rifles, bicycles and sewing machines. As a frontispiece there is a handsome picture of the armory at Ilion. In speaking of their hammerless gun the company say: "Sportsmen will find the Remington Hammerless Gun an exceeding strong and durable arm." Other qualities are enumerated, but we deem it unnecessary to mention them, as the productions of the company are generally recognized as standards of excellency.

Patterson, Gottfried & Hunter, Nos. 146–150 Centre Street, New York, are sending their friends a "cute" little card, the outer page of which shows a workman who seems to be very much dissatisfied with the file which he is using, and above his head are these lines:

"There's nothing stirs a fellow's bile
Just like a good-for-nothing file."

By raising a half leaf, we see the same industrious mechanic, with a very different expression upon his face. He seems to have found the tool for which he was in search, as described in the following lines:

"But if you want to see him smile,
Then let him use an Arcade File."

We have at hand an attractive announcement in form of duplicate cards, tied at the top with a bow of white ribbon. On the first page is a striking likeness of the late and highly esteemed John Adt, also his motto: "A good name is rather to be chosen than great riches." The second page contains the following announcement: "Having recently acquired the plant of John Adt & Son, which was established in 1866, we shall endeavor to sustain the reputation that the firm have made with the manufacturers in this and foreign countries as the originators and expert manufacturers of patent automatic wire straightening, forming and riveting machinery." Signed John Adt & Son, F. B. Shuster, proprietor.

The F. & N. Mfg. Co., Richmond, Ind., have issued an export catalogue of their Lawn Mowers and Grass Catchers. It is a convenient little sheet, illustrating and describing their F. & N. Lawn Mower, International lawn mower, Unique lawn mower, Universal grass catcher, etc. Of these goods they say that "every part is thoroughly inpected and tested, and not allowed to leave the factory unless perfect, and all parts are interchangeable, and can be duplicated in case of accident."

Among the recent trade publications received is a tasty little leather-bound catalogue, issued by the H. C. Tack Co., Cleveland, Ohio, and containing forty-four pages. It is indexed, which makes it very convenient. Besides giviving the prices of all kinds of tacks there is a table giving the weights of dozened Hardware list goods, also information pertaining to freight. The book is of a convenient size to be carried in the pocket and will prove of valuable assistance to tack purchasers.

Sidney Shepard & Co., Buffalo, N. Y., have issued a handsome catalogue of their Pure Aluminum Ware, which is illustrated in a highly artistic manner. They will be pleased to send a copy to any who may have use for the same, and as the use of aluminum ware is rapidly growing it would be to the advantage of any dealer to thoroughly post himself concerning the same. This catalogue shows a full line of kitchen utensils, with prices, descriptions, etc.

The Nubian Iron Enamel Co., Chicago, are sending their friends their calendar for the succeeding six months of 1895. The contents of the same fully carry out the description upon the cover, which speaks of the calendar as "A Compilation of Wise Saws and Poetic Thoughts, mixed with a large amount of Idiotic Nonsense, all for the laudable purpose of throwing Light upon a Dark Subject."

The Wells & Coutan Co., New York, are sending their friends a very attractive circular imitation of a steam gauge, upon the back of which is entertaining matter of a descriptive character, showing the specialties in this line which they manufacture.

John H. Bryant, No. 61 Michigan Street, Chicago, has issued a catalogue of his Mixing and Beating Machinery, Queen City presses, etc. The various articles which come under this heading are illustrated and described, with prices attached.

It Never Soaks.

The Standard Fiber Ware Co., Mankato, Minn., have certainly adopted a very effective object-lesson for the benefit of dealers who push their wares. They are sending out with orders, unfinished basins upon each of which is the following tag:

KEEP THIS IN SIGHT,



Replenished Daily with BOILING WATER, to show your Customers that even Unfinished "STANDARD" Fiber-Ware NEVER SOAKS.

If this demonstration does not convince purchasers, nothing can.

The Penn Hardware Co., Reading, Pa., have ordered the necessary machinery for a screw plant which will occupy one of the large buildings on Spruce Street. Between thirty and forty men will be employed at the start.

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SPECIMENS OF YALE STYLO-CHISELRY.

In the issue last preceding we had the pleasure of describing the new line of goods added by the Yale & Towne Mfg. Co., Stamford, Conn., and New York, under the name of Yale Stylo-Chiselry. We take pleasure in this number in presenting some detailed description of the same with illustrations. This work is particularly adapted for tablets, whether ecclesiastical, military or general. In Fig. 1 we show a sample of the first named. Of work of this character the company say:

ECCLESIASTICAL TABLETS.

"The art of designing and executing mural tablets in metal and stone attained its highest development during the period of the Renaissance. Beautiful examples of this art, perfect not only in ornamentation but equally in the sister art of appropriate lettering, are to be found scattered through the churches and older public buildings of Europe, but as yet good examples of such work are regretably rare in this country. How few churches are there here where one can find inscriptions, memorials or lettered work of any character appropriately rendered. It is either severely plain and stiff or else, where ornamentation is attempted, it is too often overdone or meretricious. Most notably is this true of lettering, an art certainly old enough to deserve better treatment at our hands, and whose principles of dimensions and proportion are established with almost mathematical precision. The same comments will apply to the rendering of insignia and illuminations of altars, walls and tablets. With a wealth of available symbols, conventional but appropriate, they are as a rule ineffectively, if not inappropriately, introduced and yet more poorly rendered.

"Yale Stylo-Chiselry is most admirably adapted to the execution of work of this class, and special effort has been made in order to do it justice. The most careful study and preparation has been given to the production of memorial brasses, and in connection therewith the whole history of Christian symbolism has been studied and classified; special alphabets have been designed, which are both artistic and consistent; and all the various ecclesiastical insignia have been correctly rendered in forms available for their proper usage. In this field of work the importance of correctness of design and of accuracy in rendering will be understood by all who are qualified to criticise, and those to whom the selection of such work is entrusted will find here that these essentials are met in the most perfect and artistic manner.

MILITARY TABLETS.

"No larger field for the employment of memorial brasses has been found than to commemorate the deeds of men who have served their country on the field of battle or on the decks of its men-of-war, especially where these have laid the tribute of their lives on the altar of patriotism. Enduring records of this kind need not be confined to costly monuments. It is equally appropriate in all cases, and more feasible in most, to commemorate such deeds by memorial tablets in bronze set up in appropriate places. Such tablets, made thus of permanent material, will not suffer from exposure, and therefore may be used either within appropriate buildings or for insertion in the faces of monuments or the external walls of public buildings. The heritage of such names belongs not only to the family and friends of those who are gone, but to the community in which they lived. It is most fitting therefore that tablets commemorative of those who have borne an honored part in the military or naval service of the country should, in design and execution, be worthy monuments of those to whom they are dedicated, and should be erected in places where they may permanently be seen of all men. The numerous and elaborate military memorials which have been erected in various parts of the country bear evidence of the desire on the part of the living to perpetuate the memory of the dead soldiers to whom such monuments have been dedicated. These monuments, however, usually fail to accomplish the one thing which it is essential that they should do, namely, to furnish a detailed record of the individuals to whose memory they have been erected. The erection of collective monuments to companies of nameless men has doubtless heretofore been due to the prohibitory cost accompanying the engraving of many

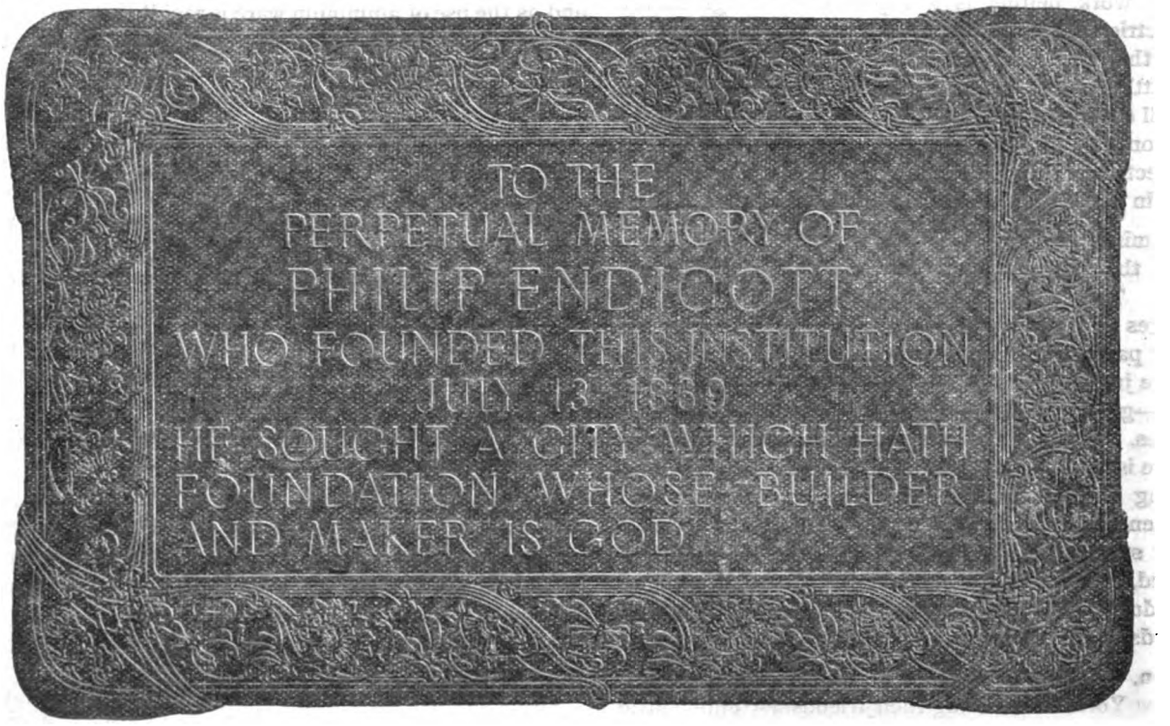


FIG. 1.

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names, but by means of Stylo-Chiselry that obstacle has been fully overcome.

"Committees having the construction of such memorials in charge, as well as architects engaged in submitting designs, may now proceed in full knowledge that tablet work is entirely within the limits of reasonable estimate and execution. As an example of what is actually meant by this statement it may be mentioned that in a monument in the city of Cleveland, Ohio, it was proved to be possible to engrave the names of ten thousand soldiers and sailors, in fact the name of every man who went from Cuyahoga county to the front to fight for the preservation of the Union.

HISTORICAL TABLETS.

"Within the past few years, through the chance discovery of a few inscriptions, we have become aware of the former existence of a nation whose name had never been mentioned for more than two thousand years, although it had risen earlier and endured longer than Assyria. This is but a single instance of the importance of entrusting historical records to some more enduring materials than aniline ink and chemically bleached paper; the neglect of graven records being a matter of constantly increasing importance when the rapid deterioration of modern writing materials is considered. It has been estimated that before the end of the twenty-third century almost the entire literary product of this generation, including its public and private documents, will have mouldered away as a result of the use of poor ink and worse paper; and while this fact may not be viewed with feelings of unmixed regret there are some documents which we would not willingly see perish. In the belief that there exists a great need for practical methods of producing permanent records provision has been made to supply it, and we are now prepared to produce by means of Yale Stylo-Chiselry, upon brass, bronze, copper, marble or other enduring materials, records of historical facts, laws, regulations and declarations, deeds, contracts, wills, genealogies and inscriptions.

GENERAL DECORATIVE WORK.

"By far the widest range of applications of Yale Stylo-Chiselry will be found in general decorative work in the interiors of public buildings, residences, hotels, club houses, and indeed, in all places where rich and artistic decorative effects are desired. The illustrations devoted to this branch of the work will be of especial interest to architects, placing in their hands yet another means for adding to the richness of their designs by what is practically a new means of interpretation of the effects which it may be desired to produce. For such purposes the applications of Stylo-Chiselry are practically endless." A specimen of this line of work will be found in Fig. 2.

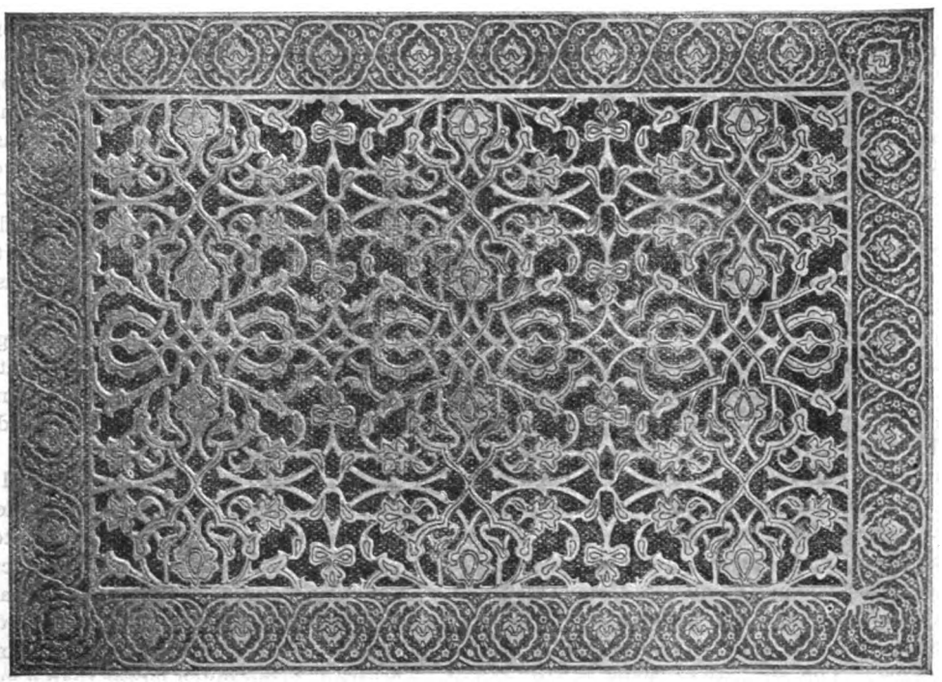


FIG. 2.

Advances in Wages.

The Newton Machine Tool Works, Philadelphia, have advanced the wages of their employees ten per cent.

The Aetna Nut Co., Southington, Conn., have increased wages seven and one-half per cent.

Employees of Fayette R. Plumb, manufacturers of edge tools, hammers and sledges, railroad, miners' and blacksmiths' tools, Philadelphia, have been made happy with the announcement of an increase of ten per cent. in their wages. Mr. Plumb says that he makes the increase in consequence of the improved condition of business, and the prospect of better prices in the near future.

An increase of ten per cent. in wages has gone into effect at the nail mills of the Norton Iron Works, Ashland, Ky. A like increase is to be effective in sixty days. Both are voluntary with the company. The present trade with the plant is the best that has been had in ten years past.

The Providence *Journal* says: "The Nicholson File Co. has a notice posted in its works, both at Providence and Pawtucket, R. I., announcing to its employees the cheering news of an advance in wages. This action, voluntary on the part of the company, is but another indication of the sure return to prosperous times and shows a disposition on its part to better the conditions of its help whenever the business outlook warrants it. Upwards of 1000 hands are affected by the increase."

Aluminum wire is increasing in use, and if it continues to cheapen may be the wire of the future. Its electrical conductivity is three times that of iron, and more than half as great as copper, while its tensile strength is one-third that of steel, and its resistance to corrosion phenomenal.

The American Handle Co., of Grand Rapids, Mich., with factories at Augusta, Kalamazoo county, and Bridgeport, Ala., filed a notice that it has disposed of all its interests and is not now acting as a corporation under the laws of Michigan.

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Review of the Markets.

Money: Bank exchanges indicate a large volume of midsummer business, but trade activity is less pronounced than it was. Crop news continues favorable and speculative markets have a downward tendency for breadstuffs and cotton.

Money continues in abundant supply, but there is less disposition to invest in commercial paper, and the result is that rates are from ½ to 1 per cent. higher.

Hardware: The general trade is somewhat dull, though not as dull as it is expected to be at this time of the year. A good demand for fall goods is anticipated, and it is expected to set in earlier than usual. Little complaint is heard from the trade on account of higher prices prevailing, except possibly in the case of nails. Cards from manufacturers announcing advances in the list prices are quite common and are expected. Higher prices are influenced as much by increased wages as by the raise in the cost of raw materials.

Cutlery: There is an increased demand for imported goods, and trade may be said to be in better condition than for some time past, but as yet a good many dealers are on their vacation and have not yet settled down to fall business, which is expected to be exceptionally good.

White Lead, Red Lead and Litharge: The following quotations are subject to change without notice: White Lead, dry or in oil, Red Lead and Litharge in kegs:—In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents.

Zinc: Values for the present are 4@4½ cents, as to quality and quantity, for jobbing parcels.

Putty: The market remains steady at $1.45@$2.25, as to qnantity, package and place of delivery.

Linseed Oil: Quotations are 59 cents per gallon for raw and 62 cents per gallon for boiled.

Wire Nails: At the meeting of Wire Nail Manufacturers' Association, held in Boston, July 18th, the prices of Nails went skyward. An additional advance of 50 cents per keg was declared as the August price, and all sizes larger than tenpenny carry the same extras as tenpenny. The prices are now: for carload lots, $2.05 per keg, f. o. b., Pittsburg; less than carload lots, $2.15 per keg, f. o. b., Pittsburg. The New York quotation for carload lots of Wire Nails on dock is $2.20 and small lots from store $2.30. Manufacturers state that Nails are being bought freely at the present prices, and that they have received numerous inquiries for August. The scarcity of Nails is still one of the features of the market.

Cut Nails: The raise in prices has likewise extended to Cut Nails, the advance being the same, 50 cents per keg. Prices are as follows: Carload lots, Pittsburg, $1.80; less than carload lots, $1.85. New York prices are: Small lots from store, $2.10; carload lots on dock, $1.95.

Nuts and Bolts: The Nut and Bolt manufacturers held two sessions, one on July 9th and one on the 11th, and decided to make a raise of 10 per cent. in prices.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake ₩ lb	11½
Ansonia grade Arizona	11¼
" " Casting	10¾
G. M. B	10¼@10½

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl.	17c. ₩ lb
Over 3½ to 5 " "	18c. ₩ lb
Square and Hexagon Rods, extra.	1c. ₩ lb

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive	18c. ₩ lb
Over 3½ to 5 " "	19c. ₩ lb

Antimony.

Hallett's ₩ lb	8
Cookson's	9

Lead.

Foreign ₩ lb	nominal.
Domestic	3⅛@3¼

Spelter.

Western Spelter	4@4¼
Bertha (pure)	6¾@7

Zinc.

600 lb cask	6¼
Per lb	7

Tin.

Straits, Pigs	15½@15¾
Straits in Bars	17

Tin-Plate.

Coke Tins:	
J B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00.	4¼
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.15
Do. 20x28	8.30
D. R. D. grade, 14x20	4¼
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Units of power or profit are limited by the sources of renewal. Like the drops of water on the wheel, they must keep coming. The tendency is to produce more for comfort than for profit. Dollars now have to be very plenty and very good to make dividends possible. The profits of the future, like those of the past, must be won by developing more power. Using what we have to the limit of our knowledge should not prevent the faith which has never yet been denied creative energy. Straws. —858 new enterprises were reported in the South for three months ending June 30, 1895, Available supply of wool is estimated at about 4,500,000 bales, or about average of three years. Estimated United States is debtor to other countries for interest and miscellaneous account net average of $70,000,000 annually. Estimated aggregate domestic debts are about $18,000,000,000. Dry goods imports January 1st to June 28th were valued $74,213,574, against $41,653,047 last year, and $73,726,559 in 1893 same time."

THE DAVENPORT TRADE.

On the 10th of July the Hardware jobbers in the "City by the Lake" unanimously agreed to discontinue the time-honored custom of charging for package and cartage. The example was followed by at least one jobber in each of the great cities of Dubuque and St. Louis on the 15th. Of course we are not charging "case and cartage" now, but confess it does not give us the pleasure to make this announcement that it seems to have given some of our competitors. A Chicago house, in a printed circular, states that the circumstances justify this radical measure, and expects to materially increase its trade thereby, but does not make it quite clear just how it expects to divert trade from natural channels if dealers in other cities do not make a charge for this item. The reason given by a St. Louis house is the pleasure it takes in printing this information, but does not state why such enjoyment was not sought before "circumstances" made this "radical measure" necessary in Chicago.

Since writing you of the continued drouth that was becoming alarming there has been a decided change in the weather, the rain fall for the last ten days aggregating nearly four inches. Our principal crop is corn. The recent rains, coming as they have just at the critical moment when most needed, practically assured an average yield.

A noticeable change in the footings of our sales' columns is observed, being much larger than a year ago at this time, which is explained largely by the enhanced values, but partly from the fact that we are disposing of more goods.

The advanced prices are well maintained, and indications point to further advances, not only on the heavy staple articles, which have felt the changes first, but on most goods in the Hardware line. As one of our competing neighbors writes us "Let the good work go on."

Sickels, Preston & Nutting Co.

THE BALTIMORE TRADE.

Our Commercial Renaissance! That is properly the only word which adequately covers the present condition of trade. Returning confidence, revival in the demand, resurrected resources and rising prices—what more is wanted? The resiliency of the bicycle tire is not "in it" with the recuperative power of the American people. Were such a condition confined to one locality it would be called a boom, and partake of the same ephemeral existence which was accorded those inflated bubbles a few years ago; but so general has been the improvement from the lakes to the gulf, from ocean to ocean, the undercurrent of the thinking public is that we stand in the dawn of a new era. Its possibilities are startling.

In the past twenty-five years the merchant of this country has seen the profit of his business almost entirely wiped out by the shrinking in value of his stock—decline following

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MONEY IS SLIPPING
THROUGH YOUR FINGERS
UNLESS YOU ARE SELLING

THE ROYAL DOOR CHECK AND SPRING.

(Checks by Compressed Air.)

Latest,
Cheapest,
Best.

Every Check Warranted.

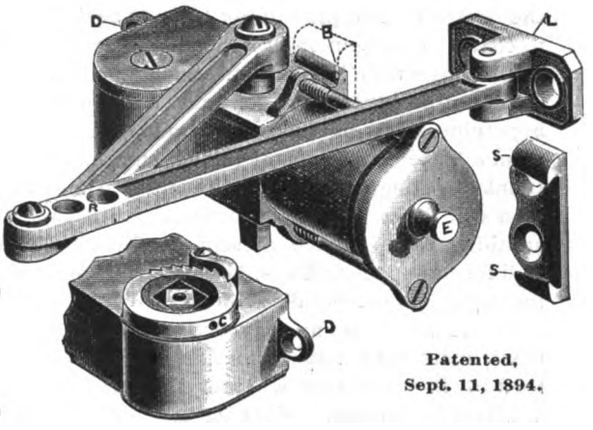
Send for Price List and Circulars.

AGENTS WANTED IN EVERY TOWN.

W. H. QUINN & CO.,

GENERAL AGENTS,

103 CHAMBERS STREET, NEW YORK.



Patented,
Sept. 11, 1894.

decline so rapidly that it was no unusual thing for the jobber to be compelled to unload certain lines of goods much below actual cost, in order to keep his stock moving at the market value. Every depreciation meant so much loss on stock on hand. A new order of things has arisen within the past sixty days. The market has taken an upward movement. From the raw material with its phenomenal advance, labor with its higher wages, on to the different stages of manufacture, higher prices rule. If these advances are made moderately, based upon the higher cost of production and a living profit added thereto, they will work a permanent good; but if fictitious rises are effected either by pooling interests or individual effort, such inflation will surely react disastrously. Between a true and false value there lies a barrier, which, like the magic circle drawn by Richelieu, cannot be crossed without bringing condemnation upon the transgressor. The era of Buncombe is passed —manufacturers seem to realize this. The advances so far have been moderate and consistent, with the possible exception of Nails. These have been called the barometers of trade. They certainly have some points in common with thermometers. Under the influence of the recent hot spell, they passed the 100 degree Fahrenheit; at present they hover between the 150th and 200th degree. It is safe to predict, if the mercury keeps on mounting, the top of the tube will be blown off. One of our poets sings:

"Oh! For a quiet pool."

He evidently was not familiar with this Nail Pool.

For the month of July, trade has been very good; considerable in excess of last year, and under better conditions. While little has been done in the way of anticipating wants on regular fall goods, the general dealer is disposed to look ahead to some extent. Such lines as Coal Hods, Shovels, Pokers and Tongs, Galvanized Buckets, etc., will bear watching. The Edge Tool makers have made some advances; Hammers and Sledges are higher, as also Copper Rivets and Burrs. Wrought and Bright Wire goods, Butts, Hinges and Bolts all show advances more or less marked.

Collections only fair to middling.

THE TABB & JENKINS HARDWARE CO.

THE BOSTON TRADE.

Midsummer dullness has naturally lessened the volume of business throughout New England, but from reports among the trade it is even better than was anticipated, and the months of July and August will undoubtedly be an improvement over last year.

Staple goods are strong in prices, and customers seem to have an eye open for such goods as have been sold at ruinously low prices, and even at the advanced quotations orders are being placed in anticipation of future wants.

The recent advances in Wire and Cut Nails, Butts, Copper Rivets and Burrs are being well maintained. Collections are up to the average. FRYE, PHIPPS & CO.

THE CLEVELAND TRADE.

The active demand for Hardware seems to have met with a slight check, which is due to the usual summer dullness. A large number of traveling salesmen are now taking their vacations, and the effect of their absence from their routes is felt in diminished orders.

So far as we can look into the future, however, everything is encouraging, and we can see no reason to alter the views expressed in our previous communication. Values are well maintained and there is a decided tendency on the part of all manufacturers to advance prices, and if advances are not actually made there is at least a much firmer feeling than has been the case heretofore.

Nails continue to be the sensation of the market, as the makers have put another advance upon them, evidently with the idea of recovering some of the losses that they have sustained during the last two or three years. We are inclined to doubt the wisdom of their policy and fear that

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the prices thus artificially made and sustained will not bring them as substantial prosperity as a more moderate policy would have produced. It seems to us that their present action tends to encourage competition to enter the field and dispute it with them, and that instead of improving the condition of the wire nail trade it will ultimately have the effect of putting it into worse condition than it has ever been.

Our collections continue very satisfactory, and all things taken together the outlook may be considered a good one.

THE MCINTOSH-HUNTINGTON CO.

THE PHILADELPHIA TRADE.

Prices are still going up with the July mercury. In fact, the mercury is so far behind, as it has been rather low for this time of year, while prices are advancing steadily to a normal level. The incredulous who have all along discounted advances and discouraged them, saying they could not hold, are now in the small minority, and there is a growing belief that we have seen the bottom, and that the depths of that pit will not be seen again for some time to come. It is generally conceded that the prices of six months ago were below cost. Such a condition of affairs could not be expected to continue, and a general feeling of hopefulness now pervades the trade, that we are entering upon a better condition of things, and for this we owe no thanks to Congress or the politicians. Almost all business men will decry any effort to tinker with the tariff, or do anything to upset the present conditions. It is all very well for newspaper editors, lawyers, college professors and theoretical men to talk Protection or Free Trade, and to advocate agitation one way or the other. Of course, the newspapers must have something to talk about, and it is food for their columns whether they are talking for Free Trade or Protection. What the business man most urgently desires is told in the words of our late great captain, "Let us have peace." If politicians will only let us alone, and if Congress will kindly refrain from assembling, Thanksgiving Day will be much more earnestly and sincerely observed in November.

The advance of the week has been both Wire and Cut Nails, which advanced on the 18th 50 cents per keg, with every prospect of the advance being permanent. It had long been prophesied that Nails would reach the $2 mark in August, and results have justified the prediction. There is a general stiffening in prices on other goods, and it is but reasonable to expect that many other goods will follow the impetus in the early fall.

From many sections come reports of encouraging character, and while some parts of the country are slower to feel the incoming tide than others, still there is little doubt that the entire country will share in the revival of business. Collections as yet are only fair. The country is poor—desperately so after the last two years of depression, but there is hope in the American people, and all are going earnestly to work hoping for better things.

BIDDLE HARDWARE CO.

Situations Wanted.

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer. Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N. Y.

ENGLISHMAN (27) requires situation as traveler—comm'ssion or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

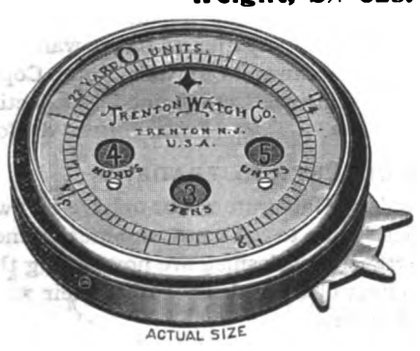
The Latest Novelty. The Greatest Novelty.

The Best Cyclometer.

THE "TRENTON."

Made of Aluminum.

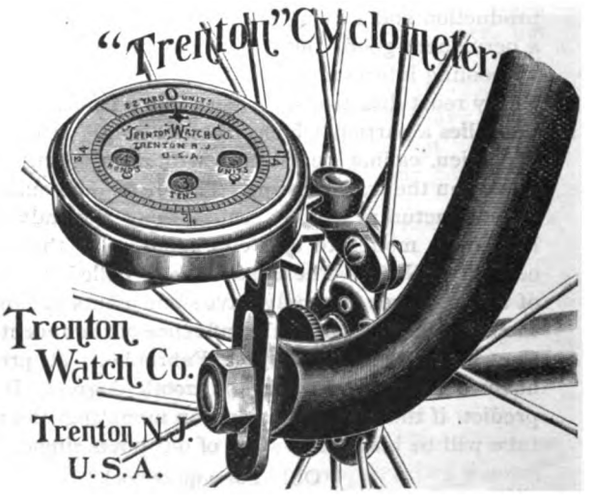
Weight, 2¼ ozs.



Registers 1000 miles and repeats.

Points of Excellence.

Small size.
Handsome appearance.
Absolute accuracy.
Strength and durability.
Noiseless and positive action.
Extreme lightness—weight, 2¼ oz.
Dustproof and waterproof.
Can be read at a glance from the saddle.
Beautiful satin finished ALUMINUM dials which will not break or crack.
Polished ALUMINUM case, which is but ⅓ weight of nickeled brass.
Scientific construction and careful inspection of all parts.
Can be run BACKWARD or forward at a HIGH rate of speed without danger of injury to instrument or bicycle.
Fully guaranteed.
The greatest value for the least money ($2.00).



Why not have the best when it costs so little? $2.00.

DEALERS don't need to push "Trenton" Cyclometers. They sell themselves, if you give them a chance.

Order a sample from your Jobber and accept no substitute.

TRENTON WATCH CO.,

TRENTON, N. J.

Kindly mention "HARDWARE."

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My dear, dear Lord,
The purest treasure mortal times afford
Is spotless reputation---That away
And wheels may be painted iron or gilded clay;
An honest cycle that has stood the test,
Is the famous one with the Humber crest·
In quality is its fame; both grow in one;
Take quality from it and its fame is gone.

HUMBERS have been the favorite Bicycles of two generations of riders. They are still the - - STANDARD.

Humber & Co., America, Ltd.,
No. 318 Broadway,
New York.

Rating Nails: A Suggestion.

EDITOR HARDWARE: Mr. Harbeck, one of our stockholders and traveling salesmen, desires us to write to HARDWARE that the present mode of rating nails, works an injustice to the retail Hardware dealers in this way: Nearly every newspaper in the country quotes the base price of nails. The customer reads this quotation based on sixty-pennies; wanting a keg of three-penny nails, inquires the price. Now, supposing the quotation he has reads $1.75, and is told by the local dealer that the price of threes is $3.50, which, adding freight and a small profit, would be a fair price, he at once concludes that he is paying a hundred per cent. profit. Mr. Harbeck suggests that printed quotations should rate down from threes instead of up from sixties.

SICKELS, PRESTON & NUTTING CO.

Davenport, Iowa, July 22, 1895.

C. A. Griscom, Jr., manager of the International Navigation Co., has written a letter to the Holmes & Edwards Silver Co., Bridgeport, Conn., expressing entire satisfaction with the workmanship and quality of the silverware supplied by the company for use on the steamer *St. Louis*.

J. E. Smith, secretary of the Simmons Hardware Co., St. Louis, has sailed to Europe, on a tour of combined business and pleasure.

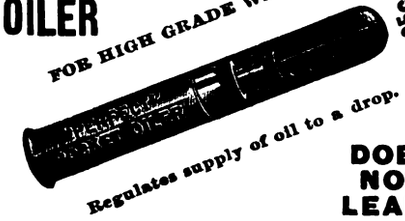
Articles of association of the Valley Hardware Co., Saginaw, Mich., have been filed. The capital is $10,000.

Side Lines Offered.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L., Room 1, No. 221 Fifth Avenue, Chicago, Ill.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



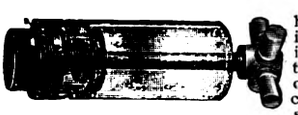
Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

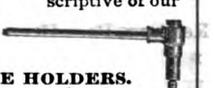
A YOUNG Merchant, residing in Solengen, and well posted in Hardware lines, wishes position as buyer on commission for a large importing house in the above line. Address P. 5192, Rudolf Mosse, Cologne, Germany.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS



CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,
No. 3 Garden St., Bridgeport, Conn.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained. The fair sex don't hold all the curiosity in the world. First catch the eye, then appeal to the reason.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Birch Run, Mich.—Wm. McGregor, Jr.
Catasawqua, Pa.—A. Wolf.
Chapin, Mich.—P. W. Holland.
Corsicana, Tex.—Ed. Decherd.
Decatur, Ala.—William Tucker.
Demopolis, Ala.—W. J. Braswell & Sons.
Georgetown, S. C.—G. A. Lohr.
Madison, N. Y.—Lewis Feuss.
Montello, Mass.—C. H. Waterman.
New Bedford, Mass.—John Otherman.
Springfield, Mass.—M. J. Hall.

Record of Changes.

Alfred, N. Y.—F. B. Boyce has purchased a half interest in the Hardware store of L. C. Hakes, Wellesville, and the firm will now bear the name of Hakes & Boyce.

Atelstan, Iowa.—N. D. Kelly, Hardware, etc., reported as having been succeeded by Harry R. Tennant.

Bartow, Fla.—W. R. Claxton, Hardware, one-half interest in the business purchased by G. C. Culver, of Iowa. New firm will be known as Claxton & Culver.

Bartow, Fla.—The Hardware firm of Stow & Hallman have dissolved. The business will be carried on by R. E. Stow and Mr. Hallman.

Council Bluffs, Ia.—J. M. Dungan & Son have disposed of their Hardware stock to E. A. Ray, of Corydon.

Davis, Ill.—Wm. Glanville has sold his building and stock of Hardware to August Helmts, who will carry on the business.

Dunn, Ark.—T. P. Umstead & Co., Hardware, stoves, etc., succeeded by Parker C. Evan.

Fairport, N. Y.—Thomas H. Brydges has purchased the Hardware business of Charles Williams, and Henry Brydges will act as general manager.

Heber, Ark.—Howard Bros., Hardware, succeeded by G. W. Howard.

Hudson, N. Y.—Edward Rice & Son, Hardware dealers, have vacated their store No. 318 Warren Street, and gone out of business.

Jefferson, N. Y.—Reuben Craft, Hardware, succeeded by Fenton E. Craft.

Jordan, N. Y.—Fred C. Allen has purchased an interest in the Hardware store of Cole & Brace.

Lexington, Ky.—Richardson & Co., Hardware, reported as having gone out of business.

Linden, Wis.—T. Hicks, Hardware, reported sold to Daniel Lewis, Jr.

Mokena, Ill.—J. H. Murphy has disposed of his Hardware business to Charles Sperry.

Montfort, Wis.—B. M. Jenkins, Hardware and tinware, reported as having sold to J. Allen.

Rockdale, Tex.—G. B. Randle, Hardware, etc., business sold to Strelsky, Clark & Wells.

Sanford, Me. — Clarence Butler, of the firm of Ross & Butler, Hardware dealers, has sold his interest to Lorenzo P. Webber, of Shapleigh.

Sheboygan, Wis.—H. H. Miller is closing out his stock of Hardware at his store on Michigan Avenue.

Soldiers Grove, Wis.—Mitchell & Bell, Hardware and agricultural implements, reported succeeded by J. Bell.

St. John, N. B.—The Hardware stock of E. A. Everett has been sold to John A. Robertson. It will be taken to Montreal.

Wahoo, Neb.—J. W. Lattin, Hardware, reported as having sold out.

Waterloo, N. Y.—Baker & Webster, Hardware, dissolved partnership; Mr. Baker's interest in the business sold to James L. Webster, who will continue under the firm name of Webster Bros.

Wheatland, Ind.—F. D. Wallace, Hardware, reported succeeded by B. L. Ridgway.

Wilmot, Ohio.—Christman & Borkey, Hardware, etc., reported now H. F. Christman.

Winooski, Vt.—S. Bigwood & Son, Hardware, have dissolved partnership. Business will be carried on at the same place by Samuel Bigwood.

Improvements and Removals.

Baker City, Ore.—The Hardware firm of Caldwell & Vance have removed their stock from the I. X. L. building to the Bowen stone building.

Belfast, Me.—Daniel McFarland is remodeling part of his store for the Hardware department.

Canandaigua, N. Y.—The Perkins Hardware store is being fitted with a handsome new plate glass front.

Charleston, S. C.—M. H. Lazarus has removed from the corner of Hasell and King Streets to No. 257 King Street.

Constantia, N. Y.—C. A. Winn, a Hardware dealer, is removing stock to Cleveland.

Deckertown, N. J.—Frank P. Adams has the foundation laid for his new Hardware store.

Evanston, Ill.—H. W. Chester has erected a new Hardware store.

Hallowell, Me.—J. W. Church is having a new front put in his Hardware store.

Houston, Tex.—The Huntsville Hardware Co., has removed to the Thomason Building, on Broadway.

Jamestown, N. Y.—Robert James is about to erect a Hardware storehouse on West Centre Street.

Media, Pa.—Haisley & Snowden, Hardware merchants, will tear down their present store building on State Street and replace it with a handsome building.

Reading, Pa.—Hertzog & Heilman, Hardware dealers, are building an addition to their store room.

Springfield, Mass.—The Highland Hardware Co., formerly at No. 811 State Street, have removed to No. 19 Wilbraham Road.

Urbana, Ill.—T. E. Condon has the interior of his stone building finished and will have a stock of Hardware put in at an early date.

Business Embarrassments.

Altoona, Pa.—Executions have been issued against S. L. Fries, an extensive Hardware dealer, for $16000.

Bartow, Fla.—R. E. Stow, Hardware dealer, has made an assignment. The liabilities are about $3200, with assets $4000.

Decatur, Ill.—Lytle & Eckles have made an assignment. The assets are $26,000 and the liabilities $18,000.

East Worcester, N. Y.—Warner Bros., Hardware dealers, have made an assignment. Liabilities, $9000; assets, $3500; preferred creditors, $1000.

Eskridge, Kan.—W. Trusler, Hardware dealer, has made an assignment.

Mechanicsville, N. Y.—Bunce & Cady, Hardware dealers, have assigned. The estimated assets are $7000; liabilities are not known.

Winston, N. C.—Overman & Merrimon, Hardware dealers, have made an assignment. The assets are $6000; liabilities $3000.

Burglaries in Hardware Stores.

Adrian, Mich.—Phillips Hardware Co., cutlery and cigars.

Barnard, Mo.—Dearing & McFarland, cutlery and revolvers.

Bay City, Mich.—J. R. Mann & Son, revolvers and cutlery.

Bellows Falls, Vt.—Eaton & Norwood, small loss.

Bergen, N. J.—S. C. Trilly, small loss.

Brooklyn, N. Y.—Thomas A. Christopher, Nos. 143 and 145 Broadway, $500.

Carleton, Mich.—Edwards & Adams, revolvers and watches.

Coldwater, Mich.—Chandler Hardware Co., $75.

Emerado, N. D.—Mallory Bros., $100.

Erie, Pa.—D. C. Weller, firearms and cutlery.

Greenville, Pa.—Livingstone & Moyer, $75.

Leavenworth, Kan.—Lewis Mayo, $100.

Lexington, Mo.—C. H. Shafenmeyer, revolvers and cutlery.

Painesville, Ohio.—E. E. Gould, $100.

Theresa, Wis.—Husting & Quick, $75.

Upper Sandusky, Ohio.—Frank Bedler, $85.

West Superior, Minn.—Dodge & Pearson, revolvers and cutlery.

Fires in Hardware Stores.

Barkers, N. Y.—Jesson Bros., Hardware dealers, store destroyed by fire.

Collins, Mo.—Tellory & Co.'s Hardware store destroyed by fire.

Lynn, Mass.—L. A. May, Hardware store, 283-289 Union Street, damaged by fire.

Lyons, Iowa.—Demour & Cook's Hardware store destroyed by fire.

Minnesota Lake, Minn.—C. W. Apley's Hardware store destroyed by fire.

Newton Falls, Ohio.—Gunnel & Boreland's Hardware store destroyed by fire.

Ontonagon, Mich.—C. H. Emmons & Co.'s Hardware store damaged by fire to the extent of $2,000; insured for $1,000.

St. Mary's, Ohio.—A. F. Wendlen's Hardware store reported damaged by fire.

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YOU CAN ALWAYS TELL

which bicycle is the most popular, most satisfactory, most pleasing to the fastidious eye, and the keenest competitor, by what its business competitors say about it. The dealer

WHO IS HURT BY

such competition as our customers are able to put with our line of **New Clippers,** generally tells you that **Clippers** are "no good," they "run hard," are "ice wagons," etc., etc. We have been

NOTICING WHO HOLLERS

lately; its those who can't find a better line to compete with those "ice wagons"; they hurt because they stand up and give satisfaction. If you want a Bicycle Built for Business, just **try** a **New Clipper** before you buy. We'll be willing to submit to your unprejudiced judgment.

Bicycles Built for Business.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. **NEW YORK.**

SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

CYCLOMETERS.

AMERICAN INDICATOR CO.,
LAWRENCE, MASS.

No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.

Descriptive circulars on request.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.

INDISPENSABLE TO WHEELMEN.

Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.

Send for Catalogue.

C H. LAMSON, Portland, Me

Making Money

Selling bicycles depends upon the repairs.

The ***less repairs,*** the ***more profit*** to the hardware dealer.

The Sterling

(Built like a watch.)

is the ***only*** wheel that never needs repairs.

Send for Catalogue.

STERLING CYCLE WORKS,
286-240 Carroll Ave.,
CHICAGO.

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

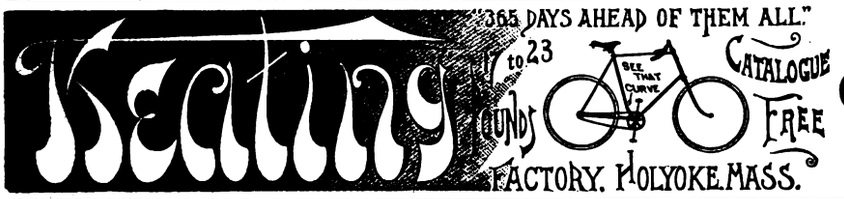
THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of # WIRE **in great variety.**

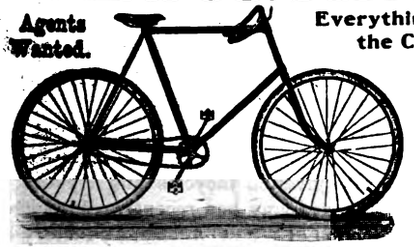
NEW HAVEN, CONN.



HOUSES OF Good Business Standing DESIRED AS AGENTS.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are . . .

$75.00
$60.00
$50.00
$40.00

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.

Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Adams Centre, N. Y.—Brown & Hunt is the name of a new firm, composed of Lew Brown and Will Hunt, who will engage in a bicycle livery and repair business in the Heath Block.

Berwick, Me.—The Boston Wood Rim Co. has been incorporated to manufacture wood bicycle rims. Capital stock $125,000. W. W. Stall, of Boston, Mass., is president of the company.

Cortland, N. Y.—The Wesson-Nivision Co. has been incorporated by David Wesson, W. O. Nivision, of Cortland, and C. C. Goodwin, of Barrytown, to manufacture bicycles. Capital stock $25,000.

Fulton, N. Y.—The Hunter Gun Co., manufacturers of the L. C. Smith gun, contemplate manufacturing bicycles and are now making preparations for that purpose.

Grand Rapids, Mich.—Adams & Hart, bicycles, appointed agents for the Helical Tube Premier.

La Porte, Ind.—The Crown Cycle Co. has been incorporated by Ellis Mitchell, Edward Michael, Charles H. Michael, Julius Sonn and H. H. Kessler. Capital stock $50,000. The company has secured a factory building and will erect an additional structure.

Lebanon, Ill.—The C. H. Sager Hardware Co. has been incorporated with a capital stock of $10,000, and a bicycle department will be added. Propositions invited from manufacturers of wheels and sundries.

Logansport, Ind.—W. C. Dunn is reported to be endeavoring to organize a company for the purpose of manufacturing a bicycle recently invented by him, which has both hand and foot power.

Milwaukee, Wis.—Clifford & Lundy, bicycles, new firm, commenced business on National Avenue, and will handle the Telegram and Sanger racer. A general bicycle repairing business will be engaged in.

Louisville, Ky.—Martin & Dressing, bicyclef, at No. 626 Fourth Avenue, appointed agents for the Napoleon, manufactured by the Jenkins Cycle Co.

Monmouth, Ill.—The Monmouth Cycle Mfg. Co. has been incorporated by M. C. Soule, F. R. Harding, J. H. Chattee, C. A. Perley and R. Lohamm. Capital stock $10,000.

New Castle, Pa.—David C. Wallace is organizing a $100,000 company for the manufacture of bicycle tubes, the plant having an annual capacity of 4,000,000 feet of tubing and employing 150 men. The works are to be in operation by October.

Omaha, Neb.—Omaha Bicycle Co. appointed agents for the Peerless bicycle.

Oneonta, N. Y.—The Holmes-Knox Cycle Co., Main and Chestnut Streets, have commenced the manufacture of bicycles, making the Moosic.

Portland, Me.—The Lovell Cycle and Ether Motor Co. has been incorporated, with B. S. Lovell as president and H. L. Lovell treasurer, both of Weymouth, Mass., to manufacture bicycles. Capital stock $250,000.

Rockford, Ill.—Rockford Watch Mfg. Co. are reported to be contemplating the manufacture of bicycles. It is stated that the company is now working on three models, which will embody some special features.

Saginaw, Mich.—Thomas P. Whittier and ex-Senator Thomas W. Palmer are reported to be organizing a company for the purpose of manufacturing Mattison's roller-bearing bicycles and sulkeys.

San Francisco, Cal.—Premier Cycle Co. has been incorporated.

San Leandro, Cal.—William Pientel, of Hayward, bicycles, preparing to commence business.

Seymour, Ind.—A company is being organized to erect and operate a bicycle factory. The names of the parties interested are not yet to be made public.

St. Joseph, Mo.—The Parrish Hardware Co. has been incorporated by H. H. Parrish, J. E. Erickson and J. C. Green. Capital stock $10,000. A bicycle department has been added. Propositions from manufacturers solicited.

Washington, D. C.—J. C. Dakin, bicycles, has commenced business at No. 402 Fifth Street, N. W.

Washington, D. C.—John T. Murphy, broker and commission dealer in new and second-hand bicycles, has commenced business at No. 602 F Street, N. W.

Washington, D. C.—S. S. Fraser, bicycles, has opened a new store at No. 503 G Street, N. W., and is carrying the Zimmy and Shirk wheels. He will do a livery and repairing business.

Washington, N. C.—The N. S. Fulford Hardware Co. has been organized, to succeed N. S. Fulford & Co. The new corporation has a capital stock of $75,000 and will take up bicycles and bicycle sundries.

Williamsport, Pa.—The Circle Cycle Co. has opened a new bicycle store at Eighth Avenue and F Streets, and will also have a branch at Mower's Pavillion.

Worcester, Mass.—The Worcester Cycle Co. is being organized by Charles S. Boyd, of New York, who will be president of the company, and A. J. Cahill, of New York, who will be secretary, to manufacture bicycles. It is stated that a factory building has been secured for the purposes in view.

Wyocena, Wis.—A. L. Wood, Hardware, bicycles, etc., has opened a new store.

Changes and Removals.

Cookville, Tenn.—Nichols & Ford, Hardware, bicycles, etc., reported dissolved, E. D. Ford continuing the business.

Cummings, N. D.—M. T. Fortune, Hardware, bicycles, etc., succeeded by John Monroe.

Greenpoint, Brooklyn, N. Y.—Schlechter, retail and manufacturing bicycles, of No. 220 Eckford Street, offering business for sale because of contemplated departure for Europe.

Massillon, Ohio—F. H. Snyder & Co., bicycles, reported to have been succeeded by F. H. Snyder.

New Castle, Pa.—The Eclipse Bicycle Co., of Beaver Falls, Pa., are reported to be negotiating with a view of removing its plant to this place.

Norwalk, Conn.—Gregory Bros., bicycles, reported to have dissolved copartnership.

San Diego, Cal.—Pitner & Dickinson, bicycles, reported gone out of business, both members of the firm having secured positions in Los Angeles.

Springfield, Ohio—Springfield Cycle Co., J. F. Funk reported to have withdrawn from the company.

Worcester, Ark.—J. L. Pearson & Co., bicycles, etc., reported succeeded by H. Robinson.

New Goods and Improvements.

Bay City, Mich.—The National Bicycle Co. contemplate the erection of two additional factory buildings, one 40x112 and the other 20x30 feet.

Chicopee Falls, Mass.—H. A. Lozier, of Lozier & Co., manufacturers of the Cleveland bicycle, is reported to be contemplating the erection of a bicycle factory here.

Chicopee, Mass.—The Lamb Mfg. Co. are preparing to make an addition to their plant, to be devoted solely to the manufacture of bicycles, having a capacity of 20,000 wheels per year.

Hagerstown, Md.—The Crawford Mfg. Co., manufacturers of bicycles, are making preparations for doubling the capacity of their bicycle plant.

Marshall, Mich.—The Royal Cycle Works will enlarge its plant and treble its capacity. The company state that business has more than doubled during the past year.

New Britain, Conn.—Landers, Frary & Clark are placing on the market an improved bicycle weighing attachment, and are offering the same through their New York salesroom, No. 298 Broadway.

Norwich, Conn.—The Hopkins & Allen Fire Arms Co. announce their intention to commence the manufacture of bicycles and are making preparations for the erection of the necessary buildings.

Providence, R. I.—The Crown Mfg. Co., manufacturers of the Crown cycles, have awarded contract for the erection of a new three-story factory addition, the demand for which has been so great that additional capacity is required.

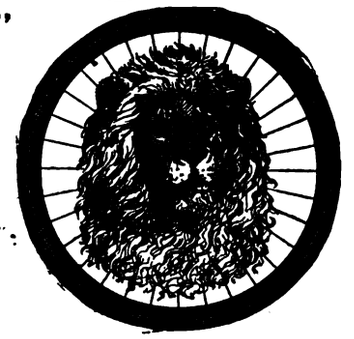
Syracuse, N. Y.—The Syracuse Cycle Co., John C. Bowe, proprietor, contemplate enlarging factory building.

Toledo, Ohio—The Toledo Metal Wheel Co. will commence the manufacture of high-grade juvenile bicycles and a patent sled. This company has recently completed the erection of a new three-story factory building, erected for the purposes indicated.

Toledo, Ohio—The Yost Bicycle Co. will double the capacity of its plant. The company will commence at once the erection of a new two-story brick factory 60x100 feet. Additional new machinery will be put in. Fully $10,000 will be expended in the contemplated improvements.

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IF YOU WILL ONLY EXAMINE "THE MONARCH" YOU WILL TAKE THE AGENCY FOR NO OTHER WHEEL.



WE ANTICIPATED THE UNPRECEDENTED DEMAND FOR

The Monarch WHEELS,

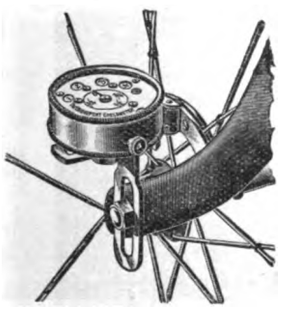
AND HAVE NEVER FAILED TO SUPPLY THE TWO FAVORITES,

MODEL 9, 24 Pounds, $85. } THEY LEAD
MODEL 10, 22 Pounds, $100. } THE WORLD.

EASTERN BRANCH: 97 Chambers Street, NEW YORK.

Monarch Cycle Mfg. Co. C. F. GUYON CO., Ltd. Managers.

RETAIL AGENTS:
NEW YORK { H. & D. FOLSOM ARMS CO., 314 Broadway. / E. A. BORRMAN, 44th Street and Lexington Avenue. / THE ROWLAND CYCLE CO., 2659 Third Avenue.
BROOKLYN { H. & D. FOLSOM ARMS CO., 1201 Bedford Avenue. / J. F. MARSTERS, 55 Court Street. / SHEPHERD & SHEPHERD, 26th Ward.



THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.
Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.
MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE.

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313-315 B'way, New York.



BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by

Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.



For Butler's Pantry

and all other Swing Doors, the best device is

BARDSLEY'S CHECKING SPRING HINGE.

It goes in the sill under the door and works in oil. Send for catalogue showing this and the best line of

WOOD DOOR KNOBS, DOOR STOPS, &c.

J. BARDSLEY, 149 Baxter St., New York.



Corn Husking Goods.

THE LARGEST LINE, BEST STYLES.

ASK THY JOBBER FOR

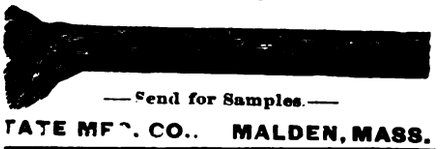
BLAIRS.

BLAIR HUSKING GLOVE CO., Bucyrus, Ohio.



Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

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Just What Every Manufacturer Wants!

The Reference Book

OF THE

Hardware and Kindred Trades of the United States and Canada.

THE Book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

Hardware Dealers.
Dealers in Sporting Goods, Bicycles, Firearms, &c.
Agricultural Implement Dealers.
Stove Dealers.

Sent (Postpaid) on Receipt of

TWO DOLLARS.

CERTAIN marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, Stove dealers in another, etc. In most cases, in the Hardware list, are specified the special kind of Hardware handled, as Shelf Hardware, Cutlery, etc.

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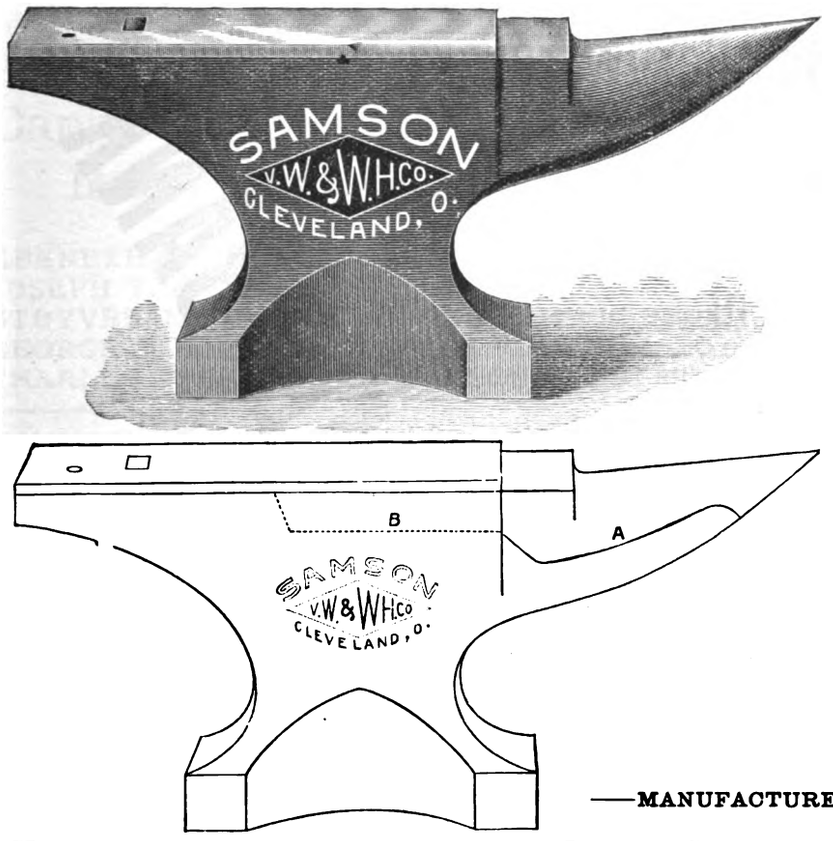
HARDWARE PUBLISHING CO.,

143 CHAMBERS STREET,

NEW YORK.

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Samson Anvil.



This Anvil combines an unusually handsome design with great strength and a very fine temper and finish. The face is of crucible Cast Steel, much heavier than that generally used. The horn has a solid point and a facing of tough untempered steel with a long heavy shank, welded underneath to the steel facing.

The line "A" of the outline cut shows the facing of the horn and the dotted line "B" shows the shank welded to the facing plate and extending into the anvil.

The body of the anvil is of tough Cast Iron. The facings are very thick and heavy, giving strength to the anvil and solidity and durability to the parts in general use.

Owing to a novel and patented process, and skill in the welding of these heavy facings to the cast iron, we are able to produce an anvil which will successfully stand the most severe use. The temper is of the very best character, the face is true and highly polished, and the finish is superior. Every anvil is guaranteed.

We aim to furnish an anvil excellent in every respect and at a low price.

PRICES QUOTED ON APPLICATION.

—MANUFACTURED BY—

Van Wagoner & Williams Hardware Co., CLEVELAND, OHIO.
14 WARREN ST., N. Y.



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The Bank is located in the Hardware District, near the Hardware Club, and solicits the accounts of Hardware Merchants & Manufacturers.

MERCHANTS' EXCHANGE NATIONAL BANK
OF THE CITY OF NEW YORK.
ESTABLISHED 1829.
257 BROADWAY.

Phineas C. Lounsbury, Prest.
Allen S. Apgar, V.-Pr. and Cash.
Edward V. Gambier, Ast. Cashier.

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EDWARD E. POOR, Vice-President.

EBENEZER K. WRIGHT, President.

GEORGE S. HICKOK, Cashier.
EDWARD J. BALDWIN, Asst. Cashier

THE NATIONAL PARK BANK
OF NEW YORK.

Capital, $2,000,000. - Surplus, $3,000,000.

Extensive Safety Vaults for the Convenience of Depositors and Investors, Entrance only through the Bank.

DIRECTORS:

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JOSEPH T. MOORE	EDWARD C. HOYT	FRANCIS R. APPLETON
STUYVESANT FISH	EDWARD E. POOR	JOHN JACOB ASTOR
GEORGE S. HART	W. ROCKHILL POTTS	GEORGE S. HICKOK
CHARLES STERNBACH	AUGUST BELMONT	GEORGE FRED'K VIETOR.

The Fourth National Bank of the City of New York solicits mercantile accounts, and offers to depositors every facility which their balances and responsibility warrant.

CAPITAL, SURPLUS AND PROFITS, . . . $5,000,000

J. EDWARD SIMMONS, President.
CORNELIUS N. BLISS, Vice-President.
JAMES G. CANNON, Vice-President.
C. H. PATTERSON, Cashier.
D. O. UNDERHILL, Assistant Cashier.

Organized as a State Bank 1853. **Incorporated as a National Bank 1865.**

CAPITAL, $1,000,000.

THE NATIONAL
SHOE & LEATHER BANK
OF THE CITY OF NEW YORK.

271 Broadway, corner Chambers St.

(In the Hardware District.)

John M. Crane, President. **John A. Hiltner, Vice-President.**
John I. Cole, Cashier.

This Bank solicits accounts, offering to depositors as liberal treatment as may be consistent with sound banking principles and warranted by their business, balances and responsibility.

The Bank also acts as reserve agent for National Banks and New York State Banks.

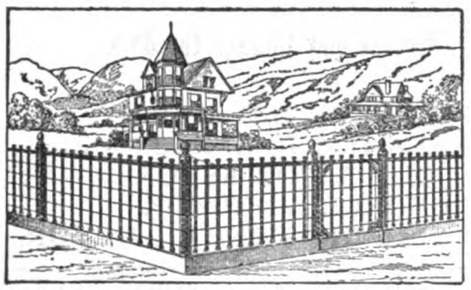
DIRECTORS:

JOHN M. CRANE, President.
THOMAS RUSSELL,
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THEODORE M. IVES,
of the Willimantic Linen Co.
JOSEPH S. STOUT, Stout & Co., Bankers.
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JOHN N. BEACH, of Tefft, Weller & Co.
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KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire,
Adj. Lawn Fence, Improved Picket
Fence, Kilmer's Field Fence, &c.



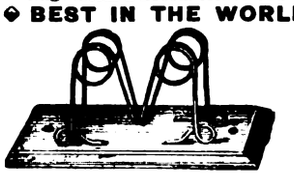
THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market.

Send for Illustrated Circular and price list.

TO KEEP A BROOM

Use the COMMON SENSE BROOM HOLDER. It keeps a broom dry, keeps it in shape, keeps it from rotting. Holds a Broom either end up.

◆ BEST IN THE WORLD. ◆



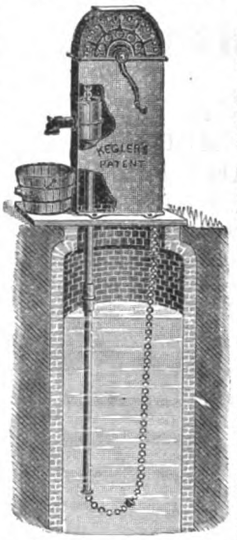
"WIRE HANGERS."

12 STYLES FOR
Ladies and Gents Garments.

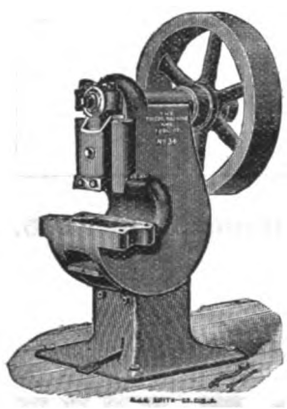
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BARBER-KOENIG MFG. CO.,
No. 115 North Vine St., Hazleton, Pa.

Pure Pump Water.

Your water will always be clean and sweet if you use
KEGLER'S PATENT
Galvanized Iron
Tubing and Curb



No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.
More Durability.
Less Weight.
Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue.
Sole Manufacturers,
Bellevue Pump Co., Bellevue, Iowa.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

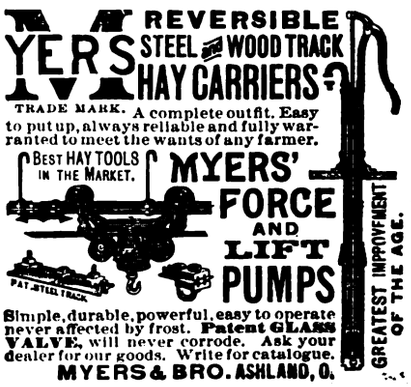
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Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
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Riveting Machines, Power Shears.

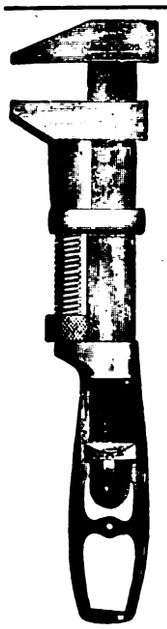
Special and Automatic Machinery Dies for all classes of work in sheet metal.
Write for Catalogue and prices.

MYERS REVERSIBLE STEEL AND WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. Patent GLASS VALVE, will never corrode. Ask your dealer for our goods. Write for catalogue.
MYERS & BRO. ASHLAND, O.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.

MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

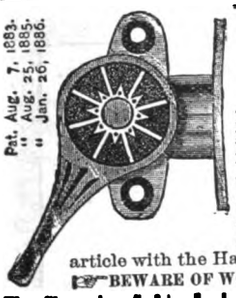
We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 137 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.





The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

E. I. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity



Our New Cream City Mug



Is a neat article of attractive design and extremely low in price.

Large quantities of these goods can be disposed of, especially during the picnic season, and no dealer should be without a supply of them.

We make full lines of

Pieced, Stamped and Japanned Tinwares,

ALSO

Black and Galvanized Sheet Iron Goods, Coal Hods, Fire Shovels, etc., etc.

All our goods are guaranteed to give satisfaction.

Respectfully,

The Geuder & Paeschke Mfg. Co.,



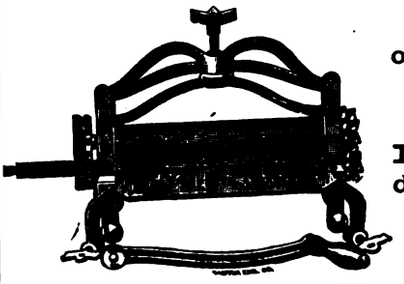
MANUFACTURERS,

MILWAUKEE,

WISCONSIN.



We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

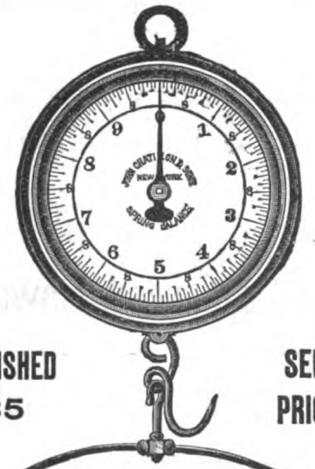
WIRE Straightened and Cut to Lengths. ● ●

Address AMERICAN WIRE CO.,
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85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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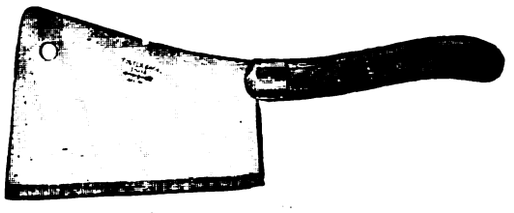
MANUFACTURERS OF

SCALES

—AND—

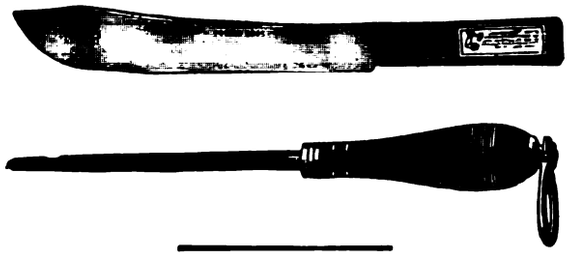
BUTCHER TOOLS.

SOLE AGENTS FOR



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BUTCHERS' CUTLERY



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F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
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Scovill Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

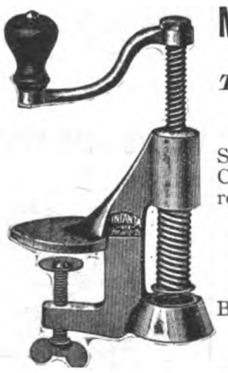
PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process. It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN

Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*



MERIDEN MALLEABLE IRON CO.,

SOLE MANUFACTURERS OF

THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

THE RAPID CORK PULLER

—AND—

RAPID LEMON SQUEEZER.

Best in the market. Send for circulars and prices.

MERIDEN, CONN., U. S. A.



HEATH PUMPS.

Have you ever tried one with a

Universal Coupling?

Fits any Valve---Lasts a Lifetime.

All reliable dealers sell the genuine HEATH PUMPS.

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ELASTIC TIP CO., Boston, N. E. Agts. MANUFACTURERS, Minneapolis, Minn.

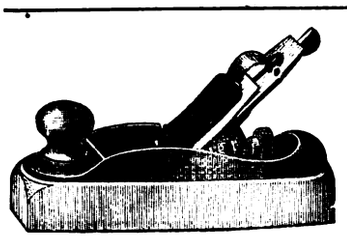
FAITH —IN— ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.

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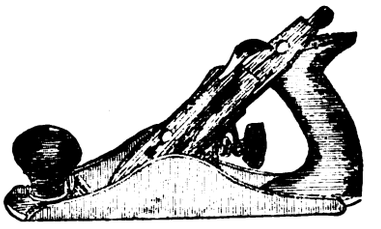


THE SAMUEL I. GOODALL CO.,

MANUFACTURERS OF

Bailey Pattern Planes, Try Squares Bevels, Etc.

Philadelphia, Pa., U. S. A.



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DEPOT,

88 Chambers St., New York.

EDGE TOOLS,

G. W. Bradley's,
Horton's,
L. H. Watt's.

BENCH PLANES, &c.

Turned Work Handles, Mallets, &c.

ESTABLISHED, 1835. INCO..PORATED, 1893.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

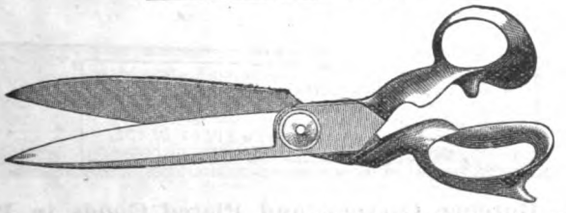
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We have no contract with Messrs. Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



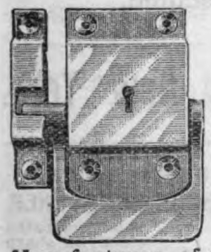
They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1893, and discount.

J. WISS & SONS, NEWARK, N. J.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



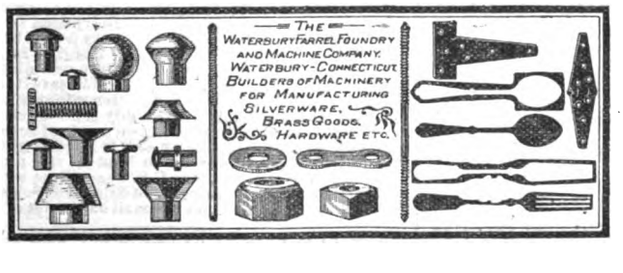
THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

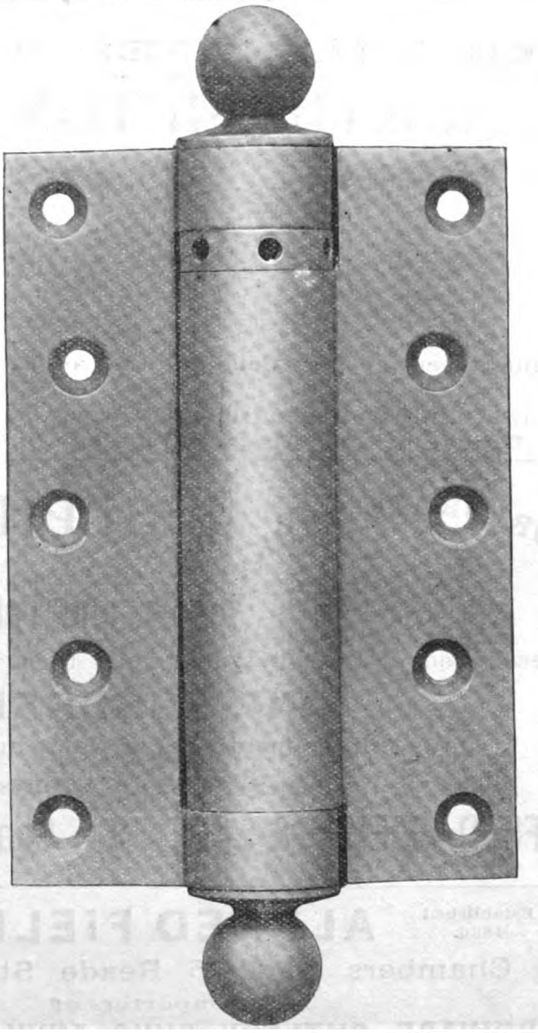
MANUFACTURED BY

P. J. CONROY,

PHILADELPHIA PA.

Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets





NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

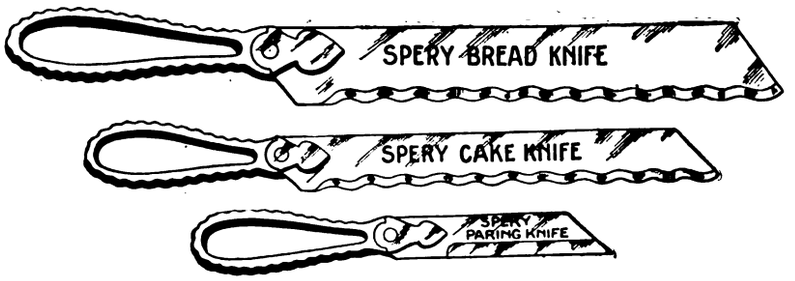
Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 83 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

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SPERY CUTLERY MFG. CO., - St. Louis, Mo.



We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made.

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street, DAVID EASTMAN, Manager.



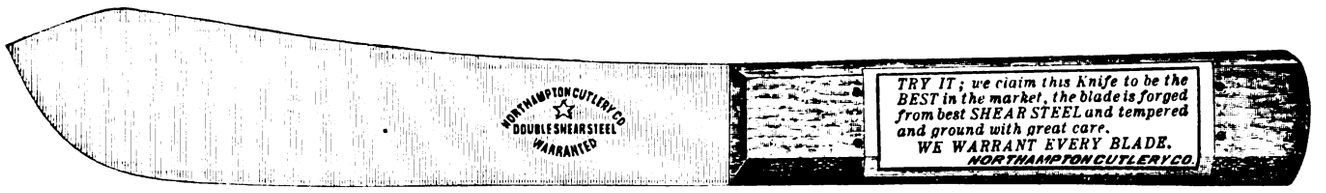
PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom, 96-98 Reade Street.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

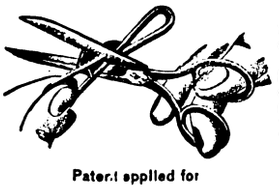
JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & Co., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY Co., CONTINENTAL CUTLERY Co, WALTHAM CUTLERY Co, ALEXANDER FRAZER & Co., JONES & Co.

ARE YOUR SCISSORS DULL?

THE "HANDY" SCISSORS SHARPENER

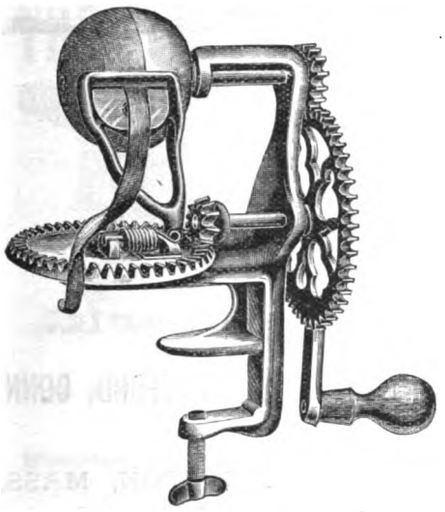


Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

EASTMAN & CO., 64 Reade St., New York,

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Apple Parers.

We have had 25 years experience in making Apple Parers and think we know how.

We make a larger variety and more than any other firm in the world. We make a specialty of Apple Parers for Evaporators, Bakers, etc., to pare, pare and core, or pare, core and slice, both hand and power.

Catalogue sent to any Dealer if wanted.

GOODELL COMPANY, ANTRIM, N. H.

High Grade American Cutlery.

EVERY BLADE
HAND-FORGED
FROM BAR STEEL
AND FULLY WARRANTED.

Elliott W. Langley, 74 Reade St., New York.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

Our '78 Apple Parer

is the most popular machine in the market. Get your orders in early.

Reading Hardware Company.

New York,	Philadelphia,	Chicago,
96 & 98 Reade St.	514 Commerce St.	73 Wabash Ave.

Factories, - - READING, PA.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

Two o the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.



GENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



BUCK'S HEAD.

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Our Latest is the Ormonde



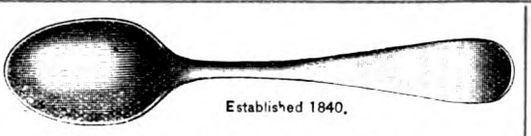
And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:—

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



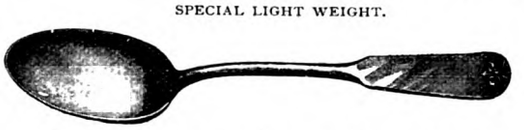
Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

No. 21. NICKEL SILVER SPOONS . . AND . . FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "HE Nickel Silver, No. 21."

MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO.

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

NEW YORK AGENTS FOR

CORTLAND SCREEN CO., UNION STEEL SCREW CO., EAGLE FILE CO.

WITHINGTON & COOLEY MFG. CO. Farming Tools sold for New York or factory shipments.

SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

Also SICKELS PRESTON & NUTTING CO., Davenport, Iowa.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Largest stock in New York City, consisting of

O. Ames & Sons' Shovels, Spades and Scoops.

Utica Tool Co.'s Hoes and Rakes.

Knapp & Pratt Mfg. Co.'s Malleable Iron Rakes.

Chadborn & Coldwell Mfg. Co.'s Lawn Mowers.

David Wadsworth & Sons' Scythes, Grass Hooks, Wooden Rakes, Scythe Snaths, Scythe Stones, &c., &c., &c.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

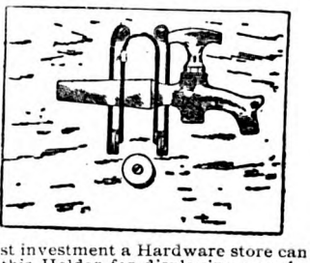
MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them. Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON,
Monroe City, Mo.



House... ...Goods Supplies.

ESTABLISHED 1867

Partrick & Carter Co.

Electrical Supplies

125 South 2d St. Philadelphia

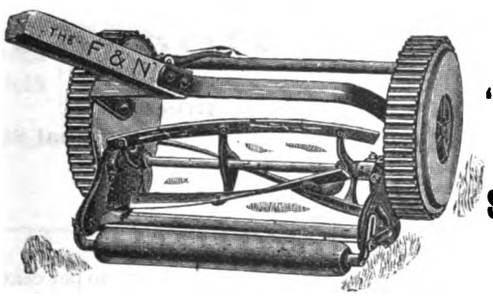
Catalogues on Application

Send business card and mention "Hardware."

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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

—— AGENTS: ——

Woodrough & Hanchett Co., Chicago, Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston, Mass.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.

MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS, WHICH ARE UNEQUALED.

NEW ENGLAND SPECIALTY CO., - **NORTH EASTON, MASS.**

Manufacturers of

Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.



Dumb Waiters..... that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

Liberal Discounts to Dealers. Send for Catalogue.

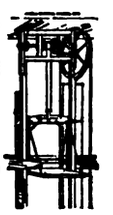
ENERGY MFG. CO.,
1223 S. 15th Street, PHILADELPHIA.

DUMB WAITER and HAND ELEVATOR FIXTURES.

COLDWELL-WILCOX CO.,
MANUFACTURERS,
NEWBURGH, N. Y.

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

Howard Iron Works,

BUFFALO N. Y.

Manufacturers of

Bench Vises.

Price Lists sent on application.

A Stove With No Smoke.

A stove without a stove pipe is a novelty that has reached this city from Sweden. It was imported by Nils Herlitz, who has exhibited to all of his friends. It burns anthracite coal and coke and consumes its own smoke and gas. It does not resemble a stove very closely, and when not heated would be taken for anything else than a stove. The heaters are made, so Mr. Herlitz says, of all sizes. This one is three feet high and one wide, and is of blue polished Swedish iron, finished and trimmed in nickel-plate. It is now burning one bushel of coke in thirty-six hours, and heats about 9000 cubic feet of space, equal to four common rooms in a dwelling. It is on wheels and can be shoved to any part of the house, from one room to another, with as much ease as moving trucks.

If such stoves are ever introduced in this market it will advance the coming of the millenium, inasmuch as the man who usually puts up the stove pipe will be relieved from the cause of profanity. There will then be no more sootey flues, smoking stoves or disorganized households because the fires are all out. There will be no fires from defective flues.

The invention is a new one, but the patentee has already sold 22,000 in Sweden. So great has been the demand that they were compelled to enlarge the factory. They are made at Eskelstuna, Sweden. The place is called the Sheffield of Sweden. This is the first and only stove of the kind imported to this country.—*Memphis Commercial-Appeal.*

The North Bros. Mfg. Co., Philadelphia, Pa., for whom John H. Graham & Co., No. 113 Chambers Street, are the New York agents, are offering to the trade the U. S. Dial Scales, which are sure to be in demand for canning purposes, to weigh fruit and sugar, and are also useful in the kitchen all the year around for weighing all sorts of things.

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HALL BROS. MFG. COMPANY,

—Manufacturers of—

"Mosaic" (TRADE MARK.) Enameled Stove Boards.

OFFICES AND SALESROOMS:

NEW YORK, 260 Canal St. | CHICAGO, 225 Fifth Ave. | PHILADELPHIA, 249 S. Second St. | BOSTON, 90 Canal St.

FACTORY: BELDING, MICH.

TO THE TRADE.

BELIEVING there is a demand for a superior line of Stove Boards and judging from the success we had last season with the "Mosaic" Enameled Board, we think it would be to your advantage to look at our samples before placing your order. We carry a full line of stock in our New York, Philadelphia and Boston salesrooms, and will be glad to answer all inquiries and quote prices.

POINTS OF EXCELLENCE.

The Plates used for our Enameled Stove Boards are 20 per cent. heavier than used on any other Stove Boards manufactured.

It Requires a temperature of 240 degrees to finish them, consequently the enamel is indestructible.

Washing or heating will not injure the surface.

The Most durable, the handsomest and finest finished Stove Boards on the market.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysie Cleat Former
Mallets
Malleable Ears



Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ½ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,
Gouverneur, N. Y.
U. S. A.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES: 277 Broadway, cor. Chambers St. 621 Broadway, cor. Houston St. 671 Broadway, B'way Central Hotel. 753 Fifth Ave., cor. 58th St. Saratoga, N. Y.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.

WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address
FOREHAND ARMS CO.,
WORCESTER, MASS.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made.. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, **PARKER BROS.,** MAKERS, **Meriden, Conn.**

WINNER OF GRAND AMERICAN HANDICAP OF 1895.

REMINGTON
HAMMERLESS GUNS.
Automatic and non-Aut. Ejecting.

THE FINEST AMERICAN GUNS EVER OFFERED.

10 Qualities, from $45.00 Upwards.



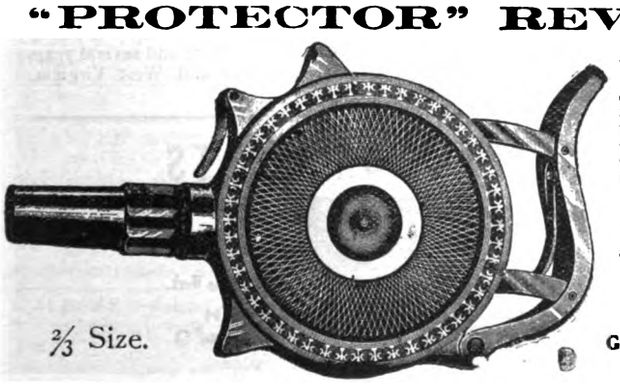
GUARANTEED FOR NITRO POWDERS.

Handsomely Illustrated Catalogue for 1895 sent to any address Free of charge.

REMINGTON ARMS CO., - ILION, N. Y.

Makers of the Celebrated Remington Bicycle, office, 313-315 Broadway, New York.

"PROTECTOR" REVOLVER.



A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.
GEO. J. WELLS, Agent,
88 Chambers St., New York.



Seed's New Water Filter.

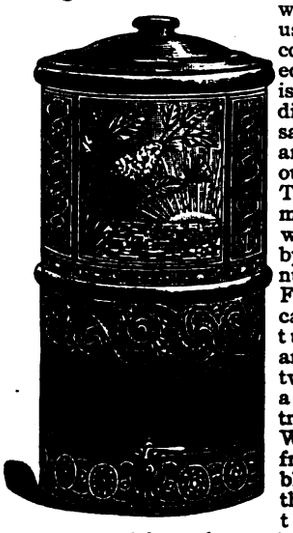
I am now making four sizes and prices of Faucet Filters instead of three.

A 1,	$4.50	per doz.
No 2,	2 50	"
No. 3,	1.75	"
No. 4,	.90	"

J. H. SEED, Man'f'r,
21 & 23 Centre Street, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

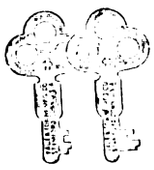
F. H. WEEKS - AKRON, O

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Two New Padlocks.

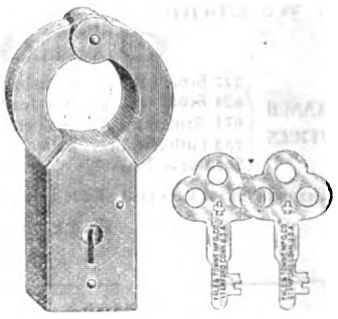


No. K 1.



WROUGHT BRASS.
WROUGHT STEEL.

Best Low-Priced Padlock in the Market.



No. K 4.

THE YALE & TOWNE MFG. CO.,

General Offices, 280 Broadway, New York.

WAREROOMS:
NEW YORK, BOSTON, BUFFALO, CHICAGO, PHILADELPHIA, SAN FRANCISCO.

WORKS:
STAMFORD, CONN. BRANFORD, CONN.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man. Address Geo Rome & Co., Carnegie, Pa.

AN importer of pocket knives, scissors and razors desires one or two first-class salesmen, who are thoroughly familiar with these lines and know the trade; highest salary paid. Address, stating full particulars, Good Chance, care HARDWARE, No. 143 Chambers Street, New York.

AI SALESMAN wanted to visit the Jobbing trade of New York and Pennsylvania. Liberal commission. Address L. L. W., care HARDWARE, No. 143 Chambers Street, New York.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' experience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

SITUATION desired by a young man who has grown up in the retail Hardware business. Experienced as buyer for export or would travel or act as foreign representative for an export house. Address J. B. B., Box 192, Caldwell, N. J.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as traveler for Hardware Specialties, by a man of ability and experience; salary or commission. Address E. W., No. 1810 N. 13th Street, Philadelphia.

POSITION as traveling salesman. Pittsburg and West Pennsylvania, for Wire, Tin-Plate, Cast or Wrought Iron Pipe Best of reference and long experience. Address Ernest C Beatty, Box 897, Pittsburg, Pa.

A YOUNG Eng ishman (23) desires position in Hardware or cutlery, eight years' experience; 2½ London. Splendid references Wholesale or retail. James R. Bayley, No. 97 Varick Street, New York.

BUILDERS' and General Hardware and Rubber Goods.—Young man (34) with twelve years' experience and good executive ability, desires position. Thorough Bookkeeper, Correspondent, Salesman and Buyer. At present on the road. Competent to act as Manager or Agent for a reliable firm, as he is well known to the New York, Philadelphia and Eastern buyers Address "Cyclist," care HARDWARE, No. 143 Chambers Street New York.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods. Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as clerk or salesman. Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No. 143 Chambers Street, New York.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 Lafayette Avenue, Brooklyn, N. Y.

YOUNG business man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 23, desires position in retail or jobbing house. Five years' experience. Well acquainted with builders' Hardware, machinists' tools and cutlery. Can furnish best of references as to ability, etc. Address E. T. Barton, General Delivery, Hartford, Conn.

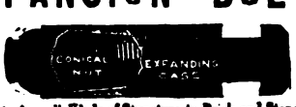
A SITUATION wanted by a young man twenty-eight years old, with ten years' experience as salesman. Good city reference can be given. G. A. K., care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

AN energetic young man who has filled every position in the jobbing, Implement and Hardware business from stenographer to manager desires to connect himself with some Eastern manufacturer either at factory or as representative at some point in this country. Address W. J. S., care HARDWARE, No. 143 Chambers Street, New York.

A POSITION wanted either in the house or on the road, by a young man of ten years' experience in general Hardware and several years as traveling salesman in Pennsylvania, Maryland and West Virginia. Address C. W. Shires, Bedford, Pa.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mf'r, **ISAAC CHURCH,**
Send for Catalogue. **Toledo, O**

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"SOLID STEEL"
ROYAL ENAMELED COOKING UTENSILS.

WE ARE THE MANUFACTURERS.

The Cleveland Stamping & Tool Co., - Cleveland, Ohio.

Write for Catalogue and Prices.

Situations Wanted.

YOUNG man, 25, desires position as assistant bookkeeper and general man in a Hardware concern. Can furnish A1 references as to ability, etc. Five years' experience in Hardware line. Address J. H., No. 412 Eighth Avenue, New York City.

A POSITION by a young man. Six years' experience in large builders' Hardware manufacturing concern. Well acquainted with builders' Hardware and estimate work. Discount, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as salesman, traveling or in store, of wholesale or retail general Hardware or cutlery house. Have had ten years' experience as buyer and head salesman in above lines, and will furnish the highest references. X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted to auctioneer job lots or Hardware specialties through the West, by a man who has had twenty years' experience in that line, and can furnish A1 references. Would be pleased to correspond with job lot dealers. Address P. H. Starr, Norwalk, Ohio.

AN experienced Hardware salesman, ten years on the road, desires a position with a first-class cutlery or Hardware house. Best of references as to character and ability. Address H. W., care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted by a man with twenty years' experience in the Hardware business. Thoroughly posted in builders' Hardware and house-furnishing goods. Will accept position in house or on the road. Address Brooklyn, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Experienced Hardware salesman, seven years introducing to architects and large trade extensive territory. Ability, care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN.—Position desired as such to represent first class firm, California preferred. Smart, well educated, used to traveling in States, Canada, England and Germany. Fifteen years' references. Age, 31. Address F. N. Co , No 1710 Amsterdam Avenue, New York.

BICYCLE DEPARTMENT.—A1 man of many years' experience, thoroughly well posted in regard to every detail of the bicycle business; first-class salesman, good advertiser and persistent hard worker would like charge of this department or is open to offers. C. C. L., care HARDWARE, No 143 Chambers Street, New York.

Side Line Wanted.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

AN active agent with large personal acquaintance with jobbing and retail toy trade wishes a line of small iron toys on commission for Baltimore and Washington, D. C. Best of references. Address C. F. M., corner Bond and Gay Streets, Baltimore, Md.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Active, energetic traveling Hardware salesman to carry an article as a side line which will interest every dealer. Large commissions paid. Address Richmond Safety Gate Co., Richmond, Ind.

SALESMEN wanted to sell patented staple specialty to he Hardware and grocery trade. Large commission. R, Givens, Corpus Christie Tex.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

Agencies for Hardware Specialties Wanted.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No. 143 Chambers Street, New York.

CALIFORNIA.—A responsible, experienced party about locating at Los Angelos, California, desires several agencies for first-class manufacturers and Hardware specialties. Address E. S. C., HARDWARE, No. 143 Chambers Street, New York.

AN active, pushing salesman, having large acquaintance among Hardware, department stores, etc., in New York, Philadelphia and the South, desires to add a good line on commission. Manufacturer's agency preferred. Highest references. Address "Specialties," care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED an experienced partner with $3000 to take half interest in an established Hardware business in a growing town. Address H. H. H., P.O. Box 2383, New York City.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

For Sale.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Addrees H. E. Colwell, agent; or E. Lambden, Jr., owner

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N Y.

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Steel Strap and T Hinges,

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The BOSS and ELI...

WASHERS.

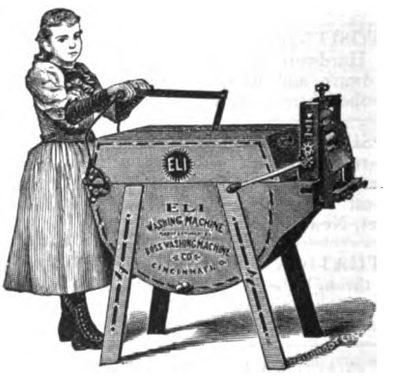
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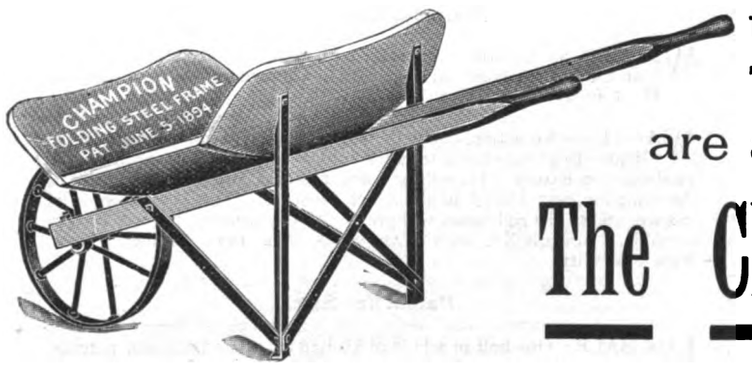
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BRYAN MFG. CO., Bryan, Ohio.



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of all Styles,
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of all Sizes,
at prices to suit.

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ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....37 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—₩ 1000—
B.E., 11 up.80c..B.E., 9&10...70c
B.E., 8.....85c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
20&2%
SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag.....$1.75
Dust Shot, 5-lb bags, ₩ bag.....$ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each..$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....50&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%
HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $32; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%
GIMLET BITS—
Diamond ₩ doz. $1.35.....45&10%
Double Cut, Shepardson's..45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....2 @25&10%
Snell's.....25&2½&10%

Awls—
Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..25&10%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....6@6 &5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5 $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$18.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%
HATCHETS—
American Axe & Tool Co.40 & 10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—
Straight Spring balances.40& 10@50%
Common 24 lb.....₩ doz. 30c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Bal....40@40&10%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—
HAND—
Light Brass.....70& 10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓& 10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Keil & Son Trip Gongs...50%
DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....33⅓&10%
Gong, Yankee.....40&10%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....25&10%
Crank, Brooks'.....25%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@20%

Belting, Rubber—
Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 35&10&5%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3: No. 3, $2.50 ₩ doz.....35%
Millers Falls ₩ doz. $4.50.....35%
Wm. Johnson's:
7¼x¼xl, ₩ doz. $11.00.....50%
9x¼xl, ₩ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz. $15 40@4 &10%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—
Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $.....20%
Austin & Eddy ₩ gro. sets.....$5.50
Orhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1.00 .2 @20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55& 1%
Washburn's Plate ₩ gr.....$9.00
Zimmerman's.....50%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75& 10@75& 10&5%
Cast Iron Chain (Sargent's list). 65& 10@65&10&5%
Ives' Patent Door Bolts...60& 10&5@ 60&10&10%
Wrought Barrel.....75& 10@80%
Wrought Square.....75& 10@80%
Norwich Lock Mfg. Co. list.....80%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.60&5%
Wr't Sunk Flush, Sargent's list. 60& 10%
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &C.—
Com. Jan 30, '95 70& 10&5@70&10&10%
Genuine Eagle, list Oct. '94...80&5&2@ 80&10%
Phila. pattern, list Oct. 7, '94.....80%
R. B. & W., old list.....70&10%
Machine list Jan. 30, '95.....75&10%
Bolt Ends, list Jan. 31, '95.80@8 &5%
TIRE—
Common, list July 1, '95.....70&10%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%
STOVE AND PLOW—
Stove.....70%
Plow.....0& 0&10@70%
R. B. & W., Plow.....65%
MISCELLANEOUS—
Sleigh Shoe.....70%
Sink.....70%

Bone Mills—
Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.	
Douglass'	$5.50	$6.75	.50%
Snell's. Rice's Pat.	5.50	6.75	.40& 10&10%
Jennings'	5.50	6.75,	5%@ 10&5%
Other Machines	2.25	2.50	.....net
Phillips' Patent with Augers	7.00	7.50	....
Millers Falls		7.50	.... 20%

Bow Pins—
Humason, Beckley & Co.'s 7 @70&10%
Sargent & Co.'s $17 and $18.50 60&10@ 60&10 & 0%
Peck, Stow & W. Co 60&10@60&10&10%

Braces—

Barber's	50& 10%
Barker's	75&10@80%
Barker's plated	70&10%
Spofford's	50&10%
Ives' New Haven Novelty.70@70&5%	
New Haven Ratchet.60&5@60&10%	
Barber Ratchet	60&5@60&10%
Barber	60&5%
Spofford	60&5@60&10%
Common Ball American. $1.00@$1.10	
Bartholomew's:	
Nos. 25, 27 and 30	60%
Nos. 117, 118, 119	0@70&75%
Amidon's:	
Barker's Imp'd Plain	75&10@80%
Barker's Imp. Nickeled	65&10@70%
Ratchet	75&10@80%
Eclipse Ratchet	60%
Globe Jawed	40@40&10%
Corner Brace	40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25	
Buffalo Ball	$1.10@$1.15
Peck's (P. S. & W. Co.)	50&5&10%
American Bit Brace Co.'s:	
Nos. 10, 12, 20	60&10%
Nos. 22, 23, 25	60&10&5%
Nos. 11, 21, 24, 27	70&10%
Nos. 13, 26, 36, 37	70&10&5%
Ball Braces, net. ₩ doz. $1.12@$1.25	
Millers Falls	25%

Brackets—

Shelf, Bradley's Patent	75%
Shelf, Plain, Sargent's list	60&10%
Shelf, Francis Keil & Son	40%
Moore's	70%
Shelf, fancy, Sargent's list.70@70&10%	
Window Screen Corner	70&10%
Door Screen	70&10%
Reading, plain	60&10%
Reading, Rosette	70&5%
Hand Rail	60&10%

Bright Wire Goods—
Standard list.....90&20@90&25%

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Bull Rings—
Union Nut Co. ... 55%
Sargent's ... 60@10&10%
Seymour Smith & Sons, low list ... 30%
Humason, Beckley & Co.'s ... 60@30&10%
Peck, Stow & Wilcox Co.'s ... 60@60&10%

Butcher's Cleavers—
Bradley's ... 35@30%
L. & I. J. White ... 25%
Beatty's ... 40&5@40&10%
New Haven Edge Tool Co.'s ... 40%
P. S. & W. ... 33⅓&5@33⅓&10%
Dunlap's Family ... 25%
Foster Bros. ... 30%

Bung Hole Borers—
Enterprise ... 25%

Butter and Cheese Tryers—
Ordinary ... 25%

Butt Gauges—
Stanley's ... 20&10%

Butts—
BRASS—
Wrought Brass ... 80&10@80&10%
Cast Brass, Tiebout's Fast Joint ... 50%
Cast Brass, Tiebout Ice House ... 40%
Cast Brass, Corbin's Fast ... 33⅓&10%
Cast Brass, Loose Joint ... 33⅓&10%
Cast Brass, Francis Keil & Son ... 40%
Norwich Lock Mfg. Co. Bronze ... 30%
CAST IRON—
Fast Joint, Narrow ... 60@60&10%
Fast Joint, Broad ... 60&10@60&10&10%
Loose Joint ... 75&10@80&10%
Loose Joint, Japanned ... 75&10@80&10%
Loose Joint, Jap. with Acorns, 75&10@80&10%
Parliament Butts ... 75&10@80%
Mayer's Hinges ... 75@10@80&10%
Loose Pin, Acorns ... 75&10@80&10%
Loose Pin, Acorns, Jap. ... 75&10@80&10%
Loose Pin, Acorns, Japanned, Plated Tips ... 75&10@80&10%
WROUGHT STEEL—
List, April 1, 1895.
Narrow, No. 8 0
Narrow, Loose Joint, No. 802
Loose Joint, No. 806
Reversible, No. 804
Broad, No 808
Table, No. 810
Back Flaps, No. 814
Square Back Flaps, No. 816
Pew Door, No 818
Chest, No. 820
Reversible, with Steeple or Ball Tips, Nos. 822, 823
Light Reversible, with Ball Tips, No. 825
Extra Light, No. 826
Light Reversible, No. 834
Light Loose Joint, No. 836
Wardrobe, Ger. Pat. No. 837½
Light Narrow, No 838
Loose Pin, Light Narrow, No. 840
Light Inside Blind, No 842
Light Inside Blind, Beveled Edge, No 843
Light Inside Blind, Loose Pin, No. 844
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No 846
Light Inside Shutter, No. 848
Parliament, with Steeple or Ball Tips, Nos. 828, 829
Parliament, No. 830
Light Parliament, No. 833
} 75%

Can Openers—
Messenger's Comet ... ₩ doz $3.00, 25%
American ... ₩ gross $1 75@$2.00
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00 ... 25%
A. S. Henn ... 60&10%
Dunlap's Wood Handle No. 2 $1.75, 25%
No. 5, Iron Handle, ₩ gr. $6 ... 45@50%
Eureka ... ₩ doz. $2.50 ... 10%
Sardine Scissors ... ₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00 ... 25%
Star ... ₩ doz. $2.75
Sprague, No. 1, $3.00; 2, $2.25; 3, $3.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00 ... 50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $3.00; ₩ doz. 75c
Universal, ₩ doz. $3.00 ... 55&5%
Domestic, ₩ doz. $3.00 ... 45%
Champion, ₩ doz. $3.00 ... 50%
New Scott Mfg. Co.'s list ... 30&10%
Leavitt's Common Sense ₩ gro $7.00 ... 50%
Kohler's Cyclone ... ₩ doz. 75c
Kohler's Lightning ... ₩ doz. 90c
Moore's ... 75%

Cards—
Horse and Curry ... 20@25%
Cotton ... 2@25%
Wool ... 2@25%

Carpet Stretchers—
Cast Steel, Polished ... ₩ doz. $2.25
Cast Iron, Steel Points, ₩ doz. 85c 20%
Bullard's ... 30%
Dunlap's ... 25%
Wm. Johnson's Socket ... 50%

Carpet Sweepers—
Bissell's:
Grand ... ₩ doz. $36.00
Gold Medal ... ₩ doz. $27.00
Prize ... ₩ doz. $27.00
Premier ... ₩ doz. $27.00
Superior ... ₩ doz. $27.00
Cosmopolitan ... ₩ doz. $27.00
Furniture Protector, Japanned ... ₩ doz. $24.00
Furniture Protector, Nickel ... ₩ doz. $27.00
Inter Ocean ... ₩ doz. $27.00
Hall ... ₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1 ... ₩ doz. $21.00
Domestic, No. 2 ... ₩ doz. $22.00
Excelsior ... ₩ doz. $22.00
Garland ... ₩ doz. $18.00
Grand Rapids, Jap ... ₩ doz. $24.00
Grand Rapids, Nick ... ₩ doz. $27.00
Housewife's Delight ... ₩ doz. $15.00
Improved Parlor Queen Japanned ... ₩ doz. $24.00
Improved Parlor Queen Nickeled ... ₩ doz. $27.00
Standard ... ₩ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Casters—
Bed ... } 60&10@70%
Plate ... }
Shallow Socket ... }
Deep Socket ... 60%
Martin's Patent (Phoenix) ... 60@60&5%
Tucker's Patent, low list ... 50@50&5%
Yale Casters, list May, '84 ... 50%
Yale Gem ... 70%
Giant Truck Casters ... 35%
Stationary Truck Casters ... 60%
Socket Truck Casters ... 60%
Swivel Truck ... 60&10&10%
Store ... 55%
Gwinner's Common Sense ... 50%
Gwinner's Hercules ... 50%

Catches and Turns—
Cupboard Catches ... 70&10&10%
Transom Catches ... 60%
Cupboard Turns ... 60%
Close Catches ... 70&10%
Screw Door Latches ... 70%
Screen Door Latches ... 50&10%
Screen Door Catches, Bronzed ... 70&10@75%
Diamond Bolt Screen Door Catches ... 50%

Cattle Leaders—
Coverts Saddlery Works ... 33⅓%
Humason, Beckley & Co.'s ... 70&10@70&10&10%
Sargent's ... 70&10@70&10&10%
Seymour Smith & Sons ... 30%
Peck, Stow & W. Co. ... 66⅔%
COW TIES—
American ... 60&10%
Triumph ... 33⅓%
Covert's Horse and Cattle:
Jute ... 33⅓%
Manilla ... 33⅓%
Sisal ... 33⅓%

Chain—
Trace, 6½-10-3, ₩ pair, $1.08 ... 60&10%
Trace, 6¼-10-3, ₩ pair 93c ... 60%
Trace, 7-10-2, ₩ pair $1.11 ... 60%
Log, Fifth Stretcher, other fancy Chains ... 60&10&5@60&10&10&5%
German Coil ... 60&10%
German Halter Chain ... 60&10%
Oneida Halter Chain ... 60@60&5%
Covert's Rein Chains ... 33⅓%
Covert's Breast Chains ... 33⅓%
Covert's Hitching Chains ... 33⅓%
Galvanized Pump Chain ... ₩ lb 6c
Jack Chain, Iron ... 75@75&5%
Jack Chain, Brass ... 60%
Plumbers ... 60%

Cherry Stoners—
Enterprise ... 25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W. }
New Haven }
Witherby } 80&80&10%
Mix }
C. E. Jennings & Co ... 25%
Douglass ... 75@75&10%
Buck Bros ... 30%
Merrill ... 60&10@60&10&10%
Jennings & Griffin Mfg. Co ... 60%
Hinsdale ... 75&5%
L. & I. J. White ... 80@80&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers' ... 40&10%
Butchers' ... $4.75@$5.00 to £
Spear & Jackson's ... $5 to £
Buck Bros ... 30%
C. E. Jennings & Co ... 20%
Jennings & Griffin Mfg. Co. Drawing Knives ... 70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge ... 40%
Cold ... 60%
Box ... 60&10%

Chucks—
Beach Pat. ... each 2 00 ... 20%
Morse's Adjustable, each $7.00 ... 20@20&5%
Danbury ... each $6.00 ... 30@30&5%
Syracuse, Bals Pat ... 30%
Skinner's Pat. Drill Chucks ... 30%
Skinner's Ind't Lathe Chucks ... 30%
Skinner's Pat. Comb. Chuck ... 40%
Drill ... 5%
Star ... 25%
Barber ... 25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50 ... 25%
Combination ... 40%
Universal ... 40%
Independent ... 40%
Whiton's
Combination ... 40%
Independent ... 50%
Cushman's:
Combination ... 40%
Independent ... 50%

Clamps—
R. I. Tool Co.'s Wrought Iron ... 25%
Adjustable, Cincinnati ... 25&10%
Adjustable, Hammers ... 15@15&5%
Cabinet Makers, Sargent's ... 70&10%
Carriage Makers', Sargent's ... 75@75&5%
Carriage Makers' P. S. & W. Co. ... 40&10%
Eberhard Mfg. Co ... 40&5@40&10%
Warner's ... 40&10@40&10&5%
Carpenters', Cincinnati ... 15%

Cleavers—
Foster's ... 30%
Jennings & Griffin ... 40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper) ... $3.50 }
Clarke's (Imported) ... 3.50 }
Albion L (for left hand) ... 3.50 }
Foxhall ... 3.50 }
Autocrat (centre fly nut) ... 3.50 }
Peerless (horse toilet) ... 4.00 }
Newmarket ... 2.50 }
Triumph (Ball bearing, horse toilet ... 4.00 }
Keystone (Ball bearing, centre fly nut ... 5.00 } 25%
American (double cutting plate) ... 5.00 }
Lexington ... 3.50 }
Advance ... 2.50 }
Globe Reversible (Ball bearing) ... 6.00 }
Republic ... 3.75 }
Double Diamond (reversible plate) ... 5.00 }
Dictator ... 3.50 }
Empire ... 3.75 }
Regent Toilet (for horse) ... 3.00 }
La Belle Toilet (for horse) ... 3.00 }

Clips—
Norway Axle ... 0@0&5%
Spring Bar Clips ... 0&10&10@0
Superior Axle Clips ... 70@7 &5%

Coffee Mills—
Box and Side ... 60@60&10%
Am. Enterprise Mfg. Co ... 25%
The Swift, Lane Bros ... 30%
Wapdell's New Box Mills, Ideal Brand, New List ... 60@60&1
Logan & Strobridge Iron Co ... 60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers ... 10@10@75%
Bemis & Call Co.'s:
Dividers ... 65%
Brown & Sharpe Micrometer ... 25&10%
Calipers, Wing ... 60%
Inside or Outside ... 65%
Double ... 65%
Call's Pat. Inside ... 55%
Stevens's "Ideal" ... 25%
Stevens's "Leader" ... 55%
Starrett's Fay's Patent Spring Calipers and Dividers ... 25%
Wright's Graduating ... 15%
Brown & Sharpe ... 20%
Wm. Johnson's:
Wing Dividers ... 75%
Extension Dividers ... 40%
Wing Calipers ... 70%
Inside, Outside and Double ... 7 %
Registering ... 50%

Coopers' Tools—
Bradley's ... 20%
Barton's ... 3@0&5%
L. & I. J. White ... 20&5%
Albertson Mfg. Co ... 25%
Beatty's ... 33 &5%
Sandusky Tool Co ... 25&10@30&10%
Shaves, Cincinnati Tool Co ... 20%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
Williamson's ... 33⅓&5%
Detroit Cork-Screw Co ... 33⅓&5%
Howe Bros. & Hulbert ... 35%
Samson ... ₩ doz $10.00

Corn Huskers—
Hubbard's Solid Steel, ₩ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $30.00.
Wrist Supporters ... ₩ doz. 75c
Mittens ... ₩ doz. $1.50
Ashtabula ... ₩ gro. $2.50
Brinkerhoffs ... ₩ gro. $15.00
Buckeye ... ₩ gro. $4.00
Cleveland ... ₩ gro. $7.50
Johnson's ... ₩ gro. $6.50
Universal ... ₩ gro. $15.00

Corn Knives and Cutters—
Bradley's ... 10%
Wadsworth's ... 25@25&10%

Counter Sinks—
Adjustable ... 20%
Shepardson's Diamond ... 40@45%
Einwachters ... 60&10%
Wheeler's Patent ... 40%

Crayons—
Sargent's List ... 20%
Dixon's
Eclipse ... ₩ gro. $3.75
Emerald ... ₩ gro. 5.00
Oriole ... ₩ gro. 5.00
Rainbow ... ₩ gro. 2.81
Solid ... ₩ gro. 7.50

Curry Combs—
Spring, Jap'd ₩ doz $1.75; Blued, $2 25; Nickeled, $3.00.
Rubber, ₩ doz. $7.50 ... 20%
Perfect ... 33⅓
F. E. Kohler & Co.'s Magic Oscillating ... ₩ doz. 2.00
F. E. Kohler & Co.'s Humane ... ₩ doz. $1.75
Gibbs' Magnetic per doz. net ... $1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz ... 40&10%
Nickeled Shank 4 4½
$1.35 $1.43
5½ 6 7 inches
$1.78 $1.85 $2.85, doz ... 40&10%
Buffalo Damper Clips ... 40&10%
Crown Damper ... 40%
Excelsior ... 40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment) ... 40%
Leather (full assortment) ... 50&10%
Medford Fancy Goods Co. list ... 40%
Keystone Mfg. Co.:
Low List ... 50%
Leather Muzzles ... 50&10%

Door Checks—
Bardsley's ... 20%
Sargent's Eclipse ... 55%
Shaw's ... 40%
Unity F. G. ... 50%
Quinn's Royal ... 5%

Door Openers, Electric—
Electric Door Opener, complete, $9 ... 50&10%
Thaxter Electric Lock, list ... $25.00
SPARK COIL—
Stanley & Patterson $4.00 ... 50%
Stanley & Patterson "Daisy" ... $1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1892 ... 33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00 ... 20%
Warner's ... 5@5&5%
Gem (Coil), list April 19, 1886. 20& 20%
Star (Coil), list April 19, 1886 2& &10%
Foster's (Coil) ... 20%
Champion (Coil) ... 55& 10@5&10&5%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00 ... 5@5&10%
Rubber, complete, ₩ doz. $5.50. ... 66⅔@70%
Quinn's Royal ... 50%

Drawer Pulls—
Sargent's List ... 60%

Drawing Knives—
Witherby }
Jennings & Griffin }
P. S. & W. } 80&80&10
Mix }
New Haven }
Merrill ... 60&10@60&10&10%
Douglass ... 75@75&10%
Watrous ... 15&10@25%
L. & I. J. White ... 2 &5@ 5%
Bradley's ... 35%
Adjustable Handle ... 25@33⅓%
Wilkinson's Folding ... 25@25&5%
Hinsdale ... 75&5%

Drills and Drill Stocks—
Blacksmiths' ... each $2.25
Breast, P. S. & W ... 33⅓&10%
Breast, Wilson's ... 30&5%
Breast, Millers Falls ... 25%
Breast, Bartholomew's ... each $2.50 ... 25&10@40%
Ratchet, Merrill's ... 20@20&5%
Ratchet, Ingersoll's ... 25%
Ratchet, Packer's ... 65%
Ratchet, Whitney's ... 30&10%
Ratchet, Weston's ... 20@25%
Ratchet, Moore's Triple Act. 25@30%
Ratchet, Billings' Dble. Acting ... 33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00 ... 20& 10%
Wilson's Drill Stocks ... 10%
Automatic Boring Tools ... $2.00, 25%
Stearns' Bench ... 60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover ... ₩ doz $5.00, 60%
National, ₩ doz $4.50 ... 33⅓%
Faultless (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.) ... ₩ doz $1.25
Rival (Standard Co.) ... ₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral ... ₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone ... 33⅓%

Emery—

No. 4 to No. 54 to Flour, CF	46 gr.	150 gr.	F FF.
Kegs, ₩ lb.	4½c	5c	2½c
½ kegs, ₩ lb.	4½c	5½c	2¾c
¼ kegs, ₩ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890 ... 60%
Brass ... 65%
Enameline—
No. 4, ₩ gro ... $4.50
No. 6, ₩ gro ... $7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890 ... 60%
Brass Thread ... 65%
Wood ... 25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key ... 40%
IXL., 1st quality, Cork Lined ... 50%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....25%
Fenn's Cork Stops....33⅓%
Starr....60%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00....33⅓%
Lane's ₩ doz. $36.00....20%
Enterprise Molasses Gates....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3.75	$4.00
Dairy Pails, 14 qt.	$.33..	4.00	
Fire Pails, No. 2, 11 qt.	$4 00	3.50	
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)..	3.70		
Buggy Pails (short and light)..	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x. 14 qt..	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt...	5 50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)..	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3.50	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7½ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed)		3.50	4.00 4.50
Spittoons, 10 and 11½ inch		4.50	5.00 5.50
Peck Measures		3.00	
Half Peck Measures...		2.50	

Files—

DOMESTIC—

Arcade....65%
Montgomery & Co., Special....65%
Nicholson Files, Rasps, &c 5.@60.10%
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagle....60&10&10@70%
American....60&10&5@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't.&5010%

IMPORTED—

Moss & Gamble, List April 1, 1888. 15%
Butcher....Butcher's list, 20%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—

Seed's Water Filters:
A 1, $4.50 | No. 2, $2.50 | No. 3, $1.75 | No. 4, $ .90 ₩ doz.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base)....10%

Fluting Scissors—

List....45%

Fly Fans—

Columbia....10%
Fowlers ₩ doz....$31.00
Keyless M. & I. Co. ₩ doz....$31.60

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list. 60@60&5%

Freezers, Ice Cream—

Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Ohio....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....60%

Fry Pans—

Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.35	$4.75	$5.35
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gauges—

Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....25&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....20&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—

Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....25&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ₩ gr $12....25@25&10%
Bell Hangers....50%

Glue—

Dodd's Liquid Glue....25&25&5%

Glue Pots—

Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Graters—

Enterprise....25%

Grindstones—

Family....50%
New York Pattern....20%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—

Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's....₩ doz. $6.50

Halters—

Covert Saddlery Works, List 1892.
Rope, ½ in. Jute.
Rope, ½ in. Hemp.
Web and Rope Halters.
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 40%

Upson & Wooding....40%

Hammers—

HANDLED HAMMERS—

Maydole's....25%
Buffalo Hammer Co.... } 40&10@50&10%
Humason & Beckley... }
Atha Tool Co.... }
C. Hammond & Son. List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....70%
Stone Cutters....75%
Blacksmiths'....80%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....20@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ₩ doz. Nos. 1, $3; 2, $6....33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00....45%
Upholsterers Solid Steel, French ₩ doz. $20.00....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔....₩ ℔ 45c
3 to 5 ℔....₩ ℔ 35c } 75@75&10%
Over 5 ℔....₩ ℔ 30c
Wilkinson's Smiths...10½c@11c ₩ ℔

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.18	1.35	1.50

60&10&10%

Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%

STORE DOOR HANDLES.—

Japanned....60&10%
Bronzed....60&10@66⅔%
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%

DOOR PULL—

Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as ₩ gr 4.50 } 25@40%
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 3.00
Worcester Leather Cap'd Chisel. 25%
File, assorted.... ₩ gr 2.75 }
Auger, assorted ... ₩ gr 5.00 } 30@
Auger, large.... ₩ gr 7.00 } 30&10%
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'.... ₩ set $1.25
Pat. Auger, Swan's.... ₩ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—

Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 60%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—

Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track. 55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&2%
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader. 50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger....20&10%
Davis Hanger....20&10&10%
Cronk's Steel cov'd Anti-Friction Nos. 1, $15.00; 1½, $18.00; 2, $22 3. $26.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible....75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ₩ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat....20&10@20&10&10%
Stearns' Anti-Friction....20&10@20 &10&10%
Stearns' Challenge 25&10@25&10&10%
Rider & Wooster, No. 1, 62¼c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $6.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning. Mfrs' price ₩ doz $18.00, 45%
Gem....₩ doz $10
Wadsworth's....40%
Carter's Needle..₩ doz $11.50@$13.00
Heath's....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T....80%
Corrugated Strap and T....80%
Hart's Pat. Heavy Strap....80%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Weld ed Hood... { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. { ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔....$4.75

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....20%
Acme....30%
J. S....25&10%
Empire and Crown....20%
Stover Ideal ₩ gro....$13.00
New Idea ₩ gro....$18.00
Hero and Monarch....55%
American, Gem and Star....30%
Oxford....20%
Barker's Double Acting...25@25&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@20%
Chicago....30%
Wiles'....10%
Devore's....40%
Rex....40%
Royal Japanned....66%
Royal Bronze....45%
Reliable....60%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔%

GATE HINGES—

Western....₩ doz $4.40, 60%
N. E....₩ doz $7.00, 55%
N. E. Reversible. ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....₩ doz $5.00, 55&10%
Automatic....₩ doz $12.50, 50%
Keil's Superior....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's....45&10%
Shepard's....60&10&15%
Sargents....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing....50%

BLIND HINGES—

Barker....75&10%
Palmer....50&10&10%
Seymour....70&2%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 3, 5, 40 and 50....80%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....80%
Buffalo....80%
Clark's Genuine Pattern....80%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2¼, 3....75&10&5%

Hoes—

HANDLED—

Garden, Mortar, &c....70%
Planter's Cotton, &c....70%
Warren Hoe....65%
Magic....₩ doz $4.00
Dunlap's:
Boys' hoes....₩ doz $3.00, 30%
Ladies' hoes....₩ doz $3.00, 30%
Scuffle....30%

EYE—

D. & H. Scovil....30%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat. 45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%
Boilers and Saucepans....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove....50%
Maslin Kettles....65&10%
Boilers and Saucepans....45&5%
Granite and Agate-Ware, list Jan. 1, 1894....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware....50@50&5%
Triumph Broilers....50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Reed & Barton.... } 40&5%
Meriden Britannia Co.... }
Simpson, Hall, Miller & Co.. }
Rogers & Brother.... }
Hartford Silver-Plate Co. } 40&5&5
William Rogers Mfg. Co. }

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Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list. } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@50 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ doz $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&5
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Crescent".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's: 8 in. $2.20 net; 10 in. $2.70 net ₩ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $3; 3, $3.25; No. 4, $3.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¼	9¼	9¼	9¼	net
Ausable	26c	25c	25c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	26c	26c	26c	24c	23c.	40&10&5&5&2%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n.	25c	26c	23c	21c	20c.	25@25&5%
A. U.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c.	21c	40&10&5%
Champlain.	28c	28c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champ'n.	25c	25c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	26c	21c	20c	19c	18c.	35%
Western	25c	21c	20c	19c	18c.	50%
Empire Bronsed						13@14c ₩ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Husking Gloves—
Blair Husking Glove Co.:
No. N. R. G Gloves...₩ doz. $12 00
No. 623 Gloves.....₩ doz. 4.50
No. 125 Gloves.....₩ doz. 7.00
No. 151 Gloves.....₩ doz. 9 00
No. 155 Gloves.....₩ doz. 8 00
No. 146 Gloves.....₩ doz 9 00
No. 152 Gloves.....₩ doz 7 50
No. 142 Gloves.....₩ doz. 7 00
No. 1 8 Gloves.....₩ doz. 6 00
No. 052 Gloves.....₩ doz. 8.00
No. 147 Gloves.....₩ doz. 4 50
Wrist Supporters.....₩ doz. .75
No. 160 Husking Pin..₩ gro. 7.00
No. 165 Husking Pin..₩ gro. 10 50
No. 170 Husking Pin..₩ doz. 2.00

Ice Chippers, &c.—
Dunlap's No. 1.....$2.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	13	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen..	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen..	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen..	$55.34	$79.20	$108.90	$136 62	
Each...	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen..	$14.40	$18.00	$20.64	
Each...	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen..	$23 40	$27.00	$ 2.40	
Each...	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&5%
Eagle Lock Co's. Cabinet &c.33⅓&5%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives, ₩ doz. $1.50, 25%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$3.00@3.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs.....40&10@50%
Yale & Towne Wood, list Dec. '86.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....90&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....30&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler:
No. 1, No. 2, No. 3,
₩ doz $12.00 $ 5.00 $24.00 .40%
No. 4, $7.00 each.....33⅓&5
Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..30%
Jennings' Star.....₩ oz. $2.2.
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00
Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%
Levels—
C E Jennings & Co.'s:
Hexagon.....3's
Iron Bench, new design.....25%
Lifters—
See Transom Lifters.
Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....22c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%
Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July '88.....60%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%
CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '86.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Diets, Nos. 51 to 68.....40%
Diets, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%
TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%
PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585...15%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 1-9 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....60&10%
No. 61 line.....60%
No. 21 line.....30%
No. 497.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%
Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%
Mattocks—
Regular list.....60&10%
Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	5
Each.	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$5	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $36.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$50	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $65.00

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
FIXTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%
Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%
Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point₩ gr.$12, 25%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%
Nut Crackers—
Blake's Pattern, ₩ doz., $3.00, 15@20%
Turner & Seymour Mfg. Co.....50%
Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T....4.80c
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....10%
Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c
Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%
OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1¾ to 2¾ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb..... .70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ lb..... .34
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ lb..... 3.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ lb..... 3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 1¼, ₩ lb..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x1⅛ to ⅝ ₩ lb..... 4.0

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No. 2, assorted sizes, ₩ D..... 2.0
Discount 33⅓&5.
Pike's Soft Arkansas:
Assortment A, ₩ D..... 1.50
" B, " 1.70
" C, " 1.96
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&5.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ D .08
Washita Finish, about 8x2x¾ to 1¼, ₩ D .10
Round Edge Slips, about 6x1½ to 2x1½ to ¾ back x ½ to ¼ edge, ₩ D .20
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₩ D .12
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₩ gross 3.00
Penknife Pieces, about 3½x1¼ x¼ to ½, ₩ gross .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ D .08
Small Axe, about 3x2x⅛ to 1 ₩ D .10
Special Axe, 2¾x1½x1¼ ₩ D... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 D, ₩ D .05
Medium, 8 to 8½x2x1¼, weight about 1½ D, ₩ D .06
Large, 8½ to 9x2½x2, weight about 2 D. ₩ D .08
Small table, 9 to 9½x2½x2, weight about 4 D, ₩ D .06
Large Table, 10x4x2 " .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ D .30
No. 2, " ₩ D .40
Round Edge Slips, No 1, ₩ D. 2.00
Discounts 33⅓&5.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston" 60%
"Excelsior" Self-Vulcanizing, per D 70c..... .40%
Boston "Phœnix" Red Sheet, per D..... 50c. net
N. Y. B. & P. Co., Standard..... .50%
N. Y. B. & P. Co., Empire..... .60%
N. Y. B. & P. Co., Salamander... .25%
N. Y. B. & P. Co., 1846-Para.... 40&10%
N. Y. B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard ..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... .75%
Cleve. Rubber Co., High Grade.. .60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....₩ D 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ D
Russian Packing.....14c ₩ D
Italian Packing.....13c@14c ₩ D
Cotton Packing.....15c@17c ₩ D
Jute .....7c@8c ₩ D

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1886.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ pos 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
73.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00..... .20&10%
Victor, ₩ doz $15.00..... .20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 12.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding 50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving..... .....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....20%
Miscellaneous 25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's .....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle"..... } 25%
Ohio ..... }
Sandusky..... }
S. & L. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....20%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 65 dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5⅛ in. ₩ doz. $2.00; 6⅛ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls 33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's..... .....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels..... .....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz..... .....10%
R. I. Tool Co., Leg Irons, $36.00 ₩ doz..... .....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots....₩ gro $5.50
Dixon's Plumbago..₩100 D $6.50 @$10.00

Poppers, Corn—
Round or square, 1 qt., ₩ doz. $ .00; ₩ gr. $8.0 } 10@
1½ qt. ₩ doz. $1.0 ; ₩ gr. $9.0 } 15%
2 qt., ₩ doz. $1 5 ; ₩ gr. $14 0
Quincy corn Popper, 1 qt., ₩ doz $1 00; 2 qt., $4 0).....33⅓%

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.00, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 20%
Levin Pruner, No. 1, $9.00 ₩ doz. 25%
Levin Pruner, No. 2, $12.00 ₩ doz. 25%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@50&10%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00..... .....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.
No. 1, Fig. 328, 3 in. Shallow Well Pump..... .....$13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 323, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333. 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 118, Fig. 448, 3½ in. Lift Pump.....$12.00
No 128, Fig. 510, 3 in. Lift Pump.....$7.00
No 131 Fig. 510, 3½ in. Lift Pump $8.00
No. 225, Fig. 389, Windmill Pump $12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 408, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30 00
No. 290 Fig. 444, Imperial Cyclone Pump.....$18 00
No. 265, Fig. 5 2, Cyclone Tank Force Pump.....$ 7 00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig 513, Low Down Tank Force Pump.....$16 00
No. 3 2, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig 547, Knapsack Spray Pump.....$1 .00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz..,90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket 65
Bemis & Call Co.'s Spring and Check 50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ D 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&5%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1.net ₩ doz. $4.90
Gibbs' Crown, No. 2.net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1.net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00..... .....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $3.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Grand, $1.1
Hay 12 teeth " $3.40; No. 2 $3.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust..... .....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.90
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to $.....net
Jordan's AAA1, list Nov. 1, 1889 .50%
Jordan's Old Faithful, list Nov. 1, 1889..... .....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis Kell & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Norway, list July 1, '95.....6 ⅝
Coopers.....65%
Block.....65%
Carriage.....65%
Hame.....65
Burrs.....65%
American Screw Co.:
Bay State Rivets..... 5%
Belt with Burrs.....65%

Rivet Sets—
Regular list.....55&5&5%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger.₩ D 7¾c
Manilla, ⅜.....₩ D 8¼c
Manilla, ¼ and 5-16.....₩ D 8½c
Sisal, 7-16 and larger....₩ D 5½c
Sisal, ⅜.....₩ D 6¼c
Sisal, ¼ and 5-16.....₩ D 6¼c
Sisal Lath Yarn, medium₩ D 5¼c
Cotton Rope.....₩ D 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7 to in. & larg'r ₩ D 7 c
Manilla.....⅜in ₩ D 7½c
Manilla, ¼ and 5-16 in ₩ D 8 c
Manilla Hay Rope... ₩ D 8 c
Sisal, 7-16 in. & larger ₩ D 5 c
Sisal.....⅜ in ₩ D 6 c
Sisal...¼ and 5-16 in ₩ D 5½c
Sisal, Hay Rope..... ₩ D 5½c
Sisal, Med. L'the Y'rn ₩ D 5 c
1½ for cash in 10 days.
Cotton Rope.....₩ D 11@13c net
Jute Rope.....₩ D 5@6c net

Rules—
Boxwood.....80%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 D $2.50@$3.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co....8½c, 15%
New England..... 8c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible..... .....20%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No 50, ₩ set.....$ 75 net.
No 55, ₩ set..... .70 net.
No. 60, ₩ set..... .60 net.
No. 65, ₩ set..... .75 net.
Outfits, No 550, each..... 2.00 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net.....$3.40
Crown Sad Irons, No. 235, per dozen, net.....$3.00
Chinese Laundry, net ₩ D.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper. .....30&5%

Sash Chain—
Giant..... .....40%
Monarch..... .....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—
Common .....₩ D 10@1 c
Jute, good quality.....₩ D 1 c
White Cotton Braided, fair. ₩ D 35c
Common Russia Sash.....₩ D 16c
Patent Russia Sash.....₩ D 15c
Cable Laid Italian Sash₩ D 32½c@35c
India Cable Laid Sash.....₩ D 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....25%
B Quality, White.....40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26¼c @ 28c
Sylvan Spring:
Extra Braided White.....35c
Extra Braided Drab.....37½c
No. 4 Braided White, $3.00..10&10%
No. 4 Braided Drab, $3.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....37c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....55c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₱ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₱ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....₱ gr $4.00
Common Sense, Nick. P't'd ₱ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1893. 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....₱ ton $23.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₱ foot
X Cuts, Perforated.....30c. ₱ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..₱ gro. $9.50@$10.00
Red, Polished and Varnished..₱ doz., $3.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ₱ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $20.00; No. 5, $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....30&10@30&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₱ doz. $6.00
Atkin's Criterion Saw Sets ₱ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50.25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₱ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₱ doz. $12.00
Lloyd Acme....₱ doz., $15.00, 40&10%
Leopold.....₱ doz., $15.00, 50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped..$2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%

Scale Beams—
Scale Beams, List Jan. 12, '82..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....₱ doz., $4.00, 10%
Box, 2 Handle.....₱ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@60%
Ship Common.....₱ doz., $3.50 net
Ship, R. I. Tool. Co.....10%

Screens—
Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—
Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30 & 35%
Standard Oil.....35&40%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ₱ doz 33⅓&2%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₱ doz., 70@95c
Screw-Driver Bits, Parr's ₱ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12. 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ₱ doz.....90c } 50%
Beauty, ₱ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—
WOOD SCREWS—List, July 1, '95.
Bright Flat Head Iron.....87½%
Br't R'd & Oval Head Iron.82½&10%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....87½%
Round Head Brass.....82½&10%
Flat Head Bronze.....82½&10%
R'd and Ovel Head Bronze..80&10%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....60%
Round Head Copper.....60
Rogers Drive Screws.....87½%

MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ₱ doz $3.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5%&10%
Jack Screws, Millers Falls, without Roller Bearing.....60%
Jack Screws, P. S. & W.....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes, Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Seeders—
Enterprise Raisin.....25%

Shears—
Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt.60%
American (Cast) Iron.....75&10&5%
Barnard's Lamp Trim'rs. ₱ doz. $3.75
Tinners'.....80&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888.50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....80%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Sizes, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₱ lb 7½c
Perkins Improved Snow.....₱ lb 4c
MULE—
Add $1 ₱ keg to above prices.
OX, WROUGHT—
Ton lots.....₱ lb 9c
1000 lb lots.....₱ lb 9½c
500 lb lots.....₱ lb 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....30%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..30%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....30@30&7½%
Hussey, Binns & Co.....15@35%
Snow, Long Handle, ₱ doz. $6.25 25&30%
Snow, D Handle, ₱ doz., $7.25 25&30%
Hubbard & Co.....30&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Hunters.....₱ doz. $3.00

Slaw Cutters—
Enterprise.....25%

Slicers—
Enterprise Vegetable.....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd.70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps.

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list, 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&10&10
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated..... } 80%
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 70%
Winterbottom's Try Mitre...80&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....30@35%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples.....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓%&2% cash.
Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....33⅓%
American Cut Tacks.....62½%
Swedes Iron Tacks:
S. S.....62½%
Lanc.....57½
Upholsterers' Tacks:
S. S.....66⅔%
Lanc.....62½%
Gimp Tacks:
S. S.....66⅔%
Lanc.....62½%
Lace Tacks:
S. S.....6 ½%
Lanc.....57½%
Trimmers' Tacks:
S. S.....5%
Lanc.....50%
Looking Glass Tacks.....33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....62½%
Berry Box Tacks.....62½%

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Trunk Tacks:
S. S ..... 66⅔&5%
Lanc ..... 62½&5%
Miners' Tacks, S. S 65%
Bill Posters' and Railroad Tacks:
S. S ..... 66⅔&5%
Lanc ..... 62½&5%
Brush Tacks and Nails:
S. S 55%
Lanc ..... 5 %
Hungarian Nails ..... 57½&5%
Common and Patent Brads 50%
Finishing Nails ..... 57½&5%
Trunk and Clout Nails ..... 57½&5%
Basket Nails 50%
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 3⅓%&2% cash.
F. H. Cobbler Nails:
4-4-8in., and shorter, ₩ 100 lb $20.60
⅝ in. and longer, ₩ 100 lb ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No 18 & 19.	17 & heavier.
2 8& 2½-8 in.	$60 0	$41.20
3-8& ½-8 in.	51.50	35.15
4-8& longer,	44 20	33.45

MISCELLANEOUS—
Double Point ... 85&10@85&10 & 0%
Wire Carpet Nails.60&10@60 & 10&10%
Bill Nye Brad Box $4.00
Bonnie Blue ..... ₩ box $1.00
Claw Handle Carpet ... ₩ gr $7.00
Home Tacks, No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case 12 carton), $2.0 . 0 2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 40), ₩ case (2 cartons), $60.00. 5 & 2%.
Paris an Gilt Nails, carton 50%
Plymouth Rock Tacks.66⅔&3⅓&2%
Miniature Rug Tacks..66⅔&33⅓&2%
Upholsterers' Nails ..... 5 & 10%

Tack Pullers—
Columbia, No. 1, per doz., net.....$1
" " 2, " " 1.50

Tape—
American Screw Co.
Machine Screw 60%
Hand and Machine ..... 50&10%
Pipe 80%
Blacksmiths' Taper ..... 50&10%

Tin, Perforated—
Harrington & King Perforating Co:
IC 14x20, 112 Sheets in Box

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 5
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1.0
6	$6.95	$1 15
7	$6 85	$1.10
8	$6.70	$ 05

Chicago or New York delivery.

Tinners' Shears, &c
Shears and Snips (P. S. & W.) ..... 20&2%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss" 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897..70&10@70&10&10%

Trammel Points—
Cook's 25%
Stanley's ..... 30&10%
Tower & Lyon 33⅓%
Jennings "Eureka" 25%

Tracks, &c.
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Sing'e rail Car, Single steel T. $3 50
Rev. Car., Wood Track $3.75
Comb., Car., Wood Track $3 25
New Myers Iron Rod Car $2 75
New Departure Sling Complete, Steel or Wood Track (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps ₩ ft..... 09
Single rail Steel Track with clamps, ₩ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1 20
Walter Fork, each $1 75
Sprouts Shear Fork each ... $1.40
Double Grapple Fork, each... $3.25
Fault ess Steel Frame K. P. Pulley, F g. 435. ₩ doz..... $2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz. $ .75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz..... $1.65
Steel Frame Pully with Iron Sheave, Fig. 165, ₩ doz..... $1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz.. ..... $2 25
Floor Pulley, Wood sheave, Fig. 486, ₩ doz..... $3.00
Floor Hooks, ¾ in ₩ doz..... .65
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Banging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in , ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz..... .45
Malleable Rafter Brackets, ₩ doz ..... .45
Rope Hitch ₩ doz..... $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida:
Newhouse ..... 40&10%
Hawley & Norton ..... 70&5%
Victor ..... 70&10&5%
All Steel 75%
Star ..... 50&10%
Blake's Patent ..... 40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 80&10%
S.T ..... ₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 2%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $3.50, 15%
Mouse, Bonanza ..... ₩ gr $10.00
Mouse, Ideal ..... ₩ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer ..... ₩ gr $9.50
Rat, Keystone ..... ₩ gr $10.00
Rat, Exterminator ..... ₩ gr $12.00
Rat, Decoy ..... ₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse 50%
Improved Rat 40%
New Rat 40%
Schuyler:
Mouse, ₩ gross $18.00 ..... 50%
Rat, ₩ gross $30.00 ..... 50%
Household ..... ₩ gr $10.00
Erie Rat 50%
FLY—
Balloon ..... ₩ gr. $13.50
Electric Rod ..... ₩ gr. $16.50
Globe ..... ₩ gr. $13.50
Harper ..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering. 25%
Peace's Plastering 25%
W. & McP. Plastering. 25%
Richardson 25%
Rose's Brick ..... 15@20%
Brade's Brick 30%
Sargent's Garden, No. 1 ..... 70%
Sargent's Garden, No. 15 ..... 50%

Vises—
solid Box ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw... 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' ..... 30@10%
Holland's ..... 40@45%
Parker's ..... 20@25%
Wilson' 55%
Alligator 50%
Howard's 40%
Massey's Quick Action ..... 10@2 %
Bonney's ..... 40&10%
Millers Falls ..... 40@40&10%
Trenton ..... 40&5@40&10%
Merrill's ..... 15@20%
Sargent's 50%
Backus and Union 40%
Prentiss' ..... 20@25%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench ..... 25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.... 40&10%
Stearn's 40%
Stearn's Silent Saw Vises.... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co 40%
Clayton's ..... .25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18 ..... 70%
Galv., Nos. 0 to 18 ..... 62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.... ....5½c net
Galvanized Fence 65%
Malin's Annealed and Tinned on Spools ..... 60&5%
Malin's Brass and Copper on Spools ..... 50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass 55%
Brass, list Jan. 18, 1884 ..... 20%
Copper, list Jan. 18, 1884 ..... 35%
Barb Fence.....See Trade Report
Cast Steel Wire 50%
Stub's Steel Wire.....$6.00 to 2 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted ..... 80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.45
Galvanized Wire Netting.....80&10%
Brass Cloth ..... 40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron ..... 33⅓&2½%
Iron, Galvanized ..... 40&2½%
Cast-steel ..... .40&2½%

Wire Rope Clips—
Crosby 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy 50%
Alligator ..... 40&10%
Hercules 70%
American Adjustable 40%
Armstrong's 40%
Baxter's Adjustable "S" 60%
Baxter's Diagonal 60%
Coes' Genuine 50%
Coes' "Mechanics'" ..... 50&10&3%
Girard Standard 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought ..... 80&5%
Eagle Pipe 50%
Taylor Pipe and Nut 40%
Saillson Pipe 45%
Trimo Pipe ..... 50&10%
Wakefield Pipe and Nut. 40%
Bemis & Call's:
Patent Combination Black. 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern ..... 30&10%
Cylinder Gas Pipe ..... 45&5%
No. 3 Pipe 55%
Aiken's Pocket (Bright) $6.00..... 60%
Boardman's 30%
Always Ready ..... 33⅓@5%
Champion Carriage 40%
Donohue's Engineer 35%
Trimo Combination 40%
Cincinnati Tool Co:
Bit ..... 25&10%
Standard Brace ..... 25&10%
J. H. Williams 25%
Lowell Ratchet 33⅓%
Lowell Socket Bridge 20%
Lowell Lag Screw 25%
Yankee 45%
Expert Bicycle ..... 33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30, Erie, 11 inch	27.00
No. 55, King, 11 inch	33.28
No. 45, King, 10x1¾ inch	25.00
No. 65, King, 11x2 inch	33.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 in h	16.50
No 3. Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23.00
No. 66, Columbia, 11x1¾ inch..	27.00
No. 90, Pittsburg, 11x2 inch....	31.00
No. 33, Nonpareil, 11x1¾ inch..	28.00
No. 44, Nonpareil, 11x2 inch....	32.00
Peerless Mfg. Co., List Feb. '92 2% cash	
Colby Wringer Co.:	
No. 10 Rolls, 10x1¾ inches....	21.00
No. 11 Rolls, 11x1¾ inches....	25.00
No. 12 Rolls, 12x1¾ inches....	29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 57c
Linseed City, Boiled, " ₩ gal. 6 c
Out of Town on Spot..... ₩ gal. 56c
Calcutta, Raw, in bbls.... ₩ gal. 56c
Lard ..... 1½@6 85

Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$23 00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ lb 5 @5¼c
White Lead, American, in Oil, ₩ lb..... .5 @5½c
White Lead, English, in Oil, ₩ lb 5½@7 c
Litharge, American Powdered, ₩ lb..... 4¼@4½c
Litharge, English Flake, ₩ lb 8½@9 c
Litharge, Glassmakers', ₩ lb 5½@6 c
Zinc, American, Extra Dry, ₩ lb 3½@4½c

Putty—
Putty in Bulk ..... $1.45@$1.75
Putty in Bladders ..... $1.65@$2.00
Putty in Tins ..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal. 33c

Colors in Oil—
Black Coach Japan ₩ lb..18½@20 c
Black Coach Japan in Oil ..... ₩ lb 12 @13 c
Black Drop ..... ₩ lb 7½@10 c
Black Lampblack, prime, ₩ lb 27½@33 c
Black Lampblack, medium ..... ₩ lb 15 @20 c
Black Lamplack, 2d quality ..... ₩ lb 13 @19
Black, Lampblack, low grade ..... ₩ lb 6½@10 c
Blue, Chinese ..... ₩ lb 35 @40 c
Blue, Prussian ..... ₩ lb 20 @40 c
Blue, Ultramarine ..... ₩ lb 13 @16 c
Brown, Sienna, burt ₩ lb 7 @10 c
Brown, Sienna, raw. ₩ lb 7 @10 c
Brown, Umber, burt ₩ lb 7 @10 c
Brown, Umber, raw. ₩ lb 7 @10 c
Brown, Vandyke.... ₩ lb 7 @11 c
Green, Chrome..... ₩ lb 8 @14 c
Green, Paris..... ₩ lb 16 @18½c
Red, Indian ..... ₩ lb 12 @15 c
Red, Venetian..... ₩ lb 4½@ 8 c
Yellow, Chrome..... ₩ lb 13 @18 c
Yellow, Ocher, French ₩ lb 4½ c

TROY DAMPER.

MADE OF

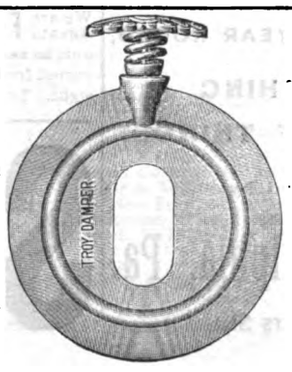
18 GAUGE STEEL.

All Defects in other Dampers removed in this one.

TIME TESTED.

ONE HOLE IN PIPE.

Send for Sample and Prices.



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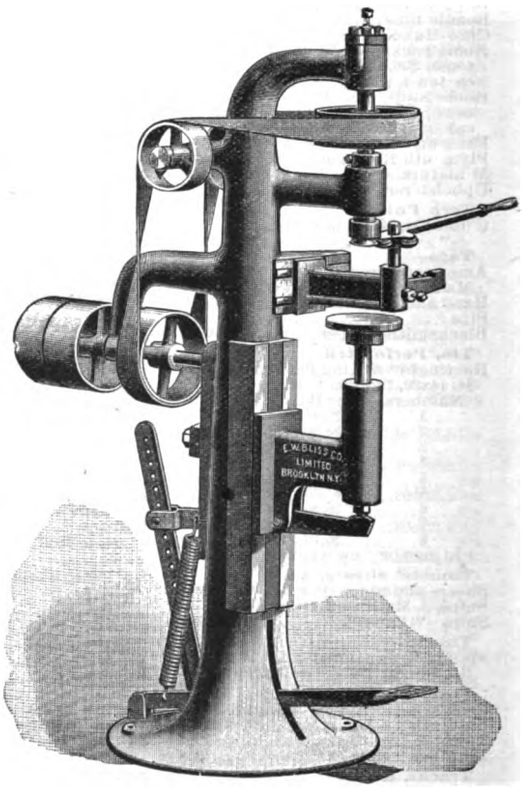
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New York Belting & Packing Co. Ltd, New York.

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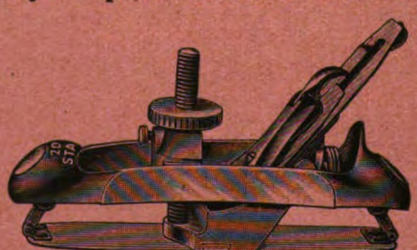
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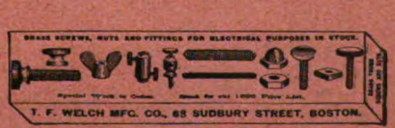
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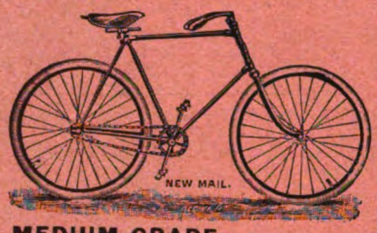
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Tensile strength one-half greater than that of any other nail made.

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HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XI. No. 9. New York, August 10, 1895. $1.00 A YEAR.



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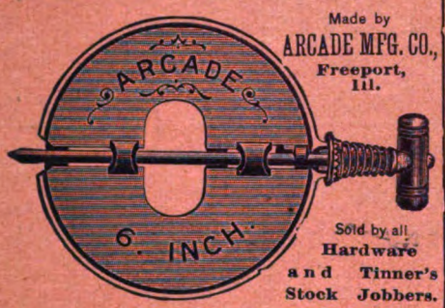
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Wire Straightened and Cut to length.



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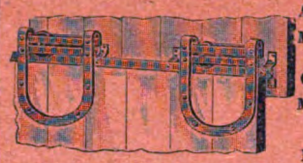
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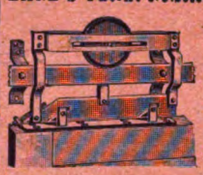
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ANTI-FRICTION.
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Ease of Movement. Always in Order.

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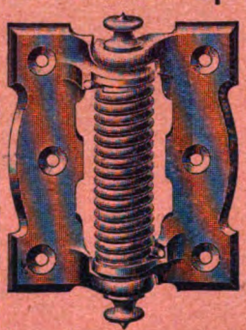
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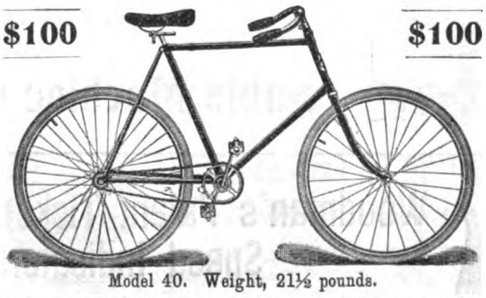
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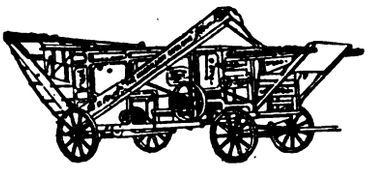
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This is the Belt.

Read the Guarantee

Will make an old machine run better



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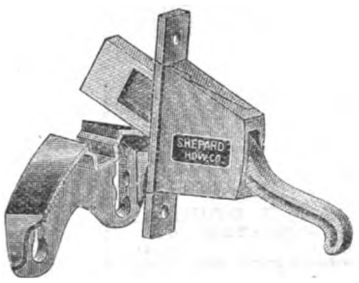
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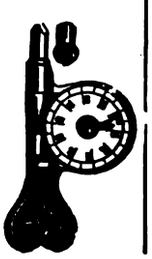
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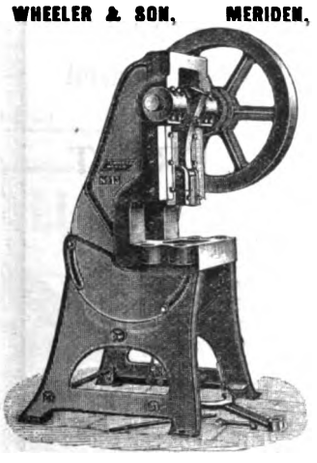
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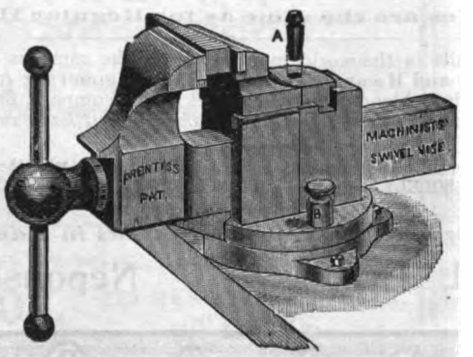
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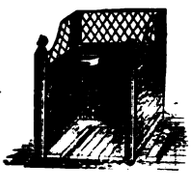
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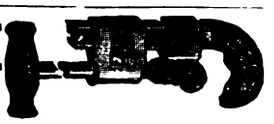
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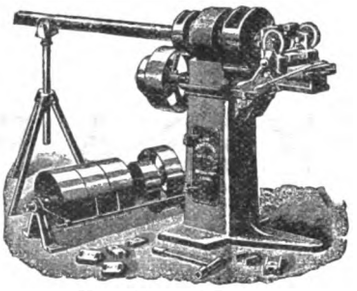
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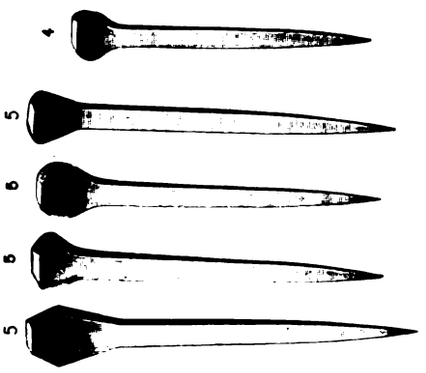
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Are made in Sizes and Styles as below:



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COUNTER HEADS, or FROST NAILS, Nos. 5 to 9.

Prices of these styles are the same as for Regular Heads of the same size.

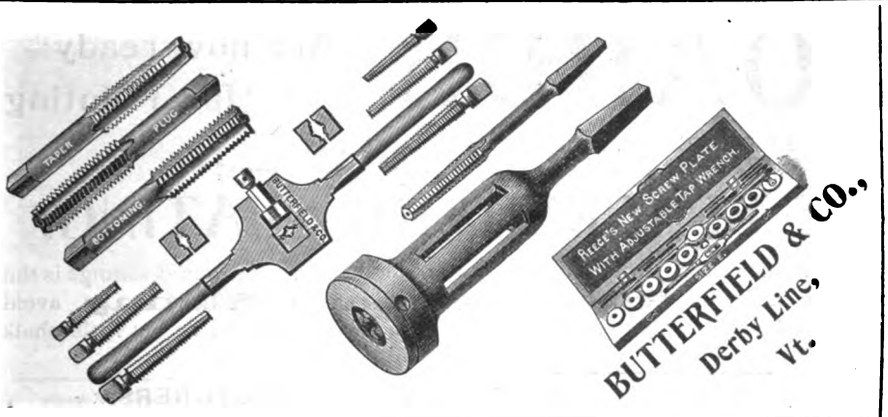
The **only** Horseshoe nails in the world made precisely the same as the old-fashioned, hand process, being exclusively **Hot Forged and Hammer-Pointed.** This **hammering** (not pressing, rolling or shearing) while the metal is at welding heat blends all the particles into a compact, firm nail that outwears all others and will **Never Split, Sliver or Break.** *They are not sheared but have smooth edges clear to the point.*

The attempts of other manufacturers, in their advertising, to identify their product with the Putnam Nail leads us to state that the PUTNAM NAIL is made SOLELY by us in the ONLY RATIONAL WAY a GOOD horsenail can be produced.

Nickel-plated Mascot Ring for 10 Cents in Stamps or Silver.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

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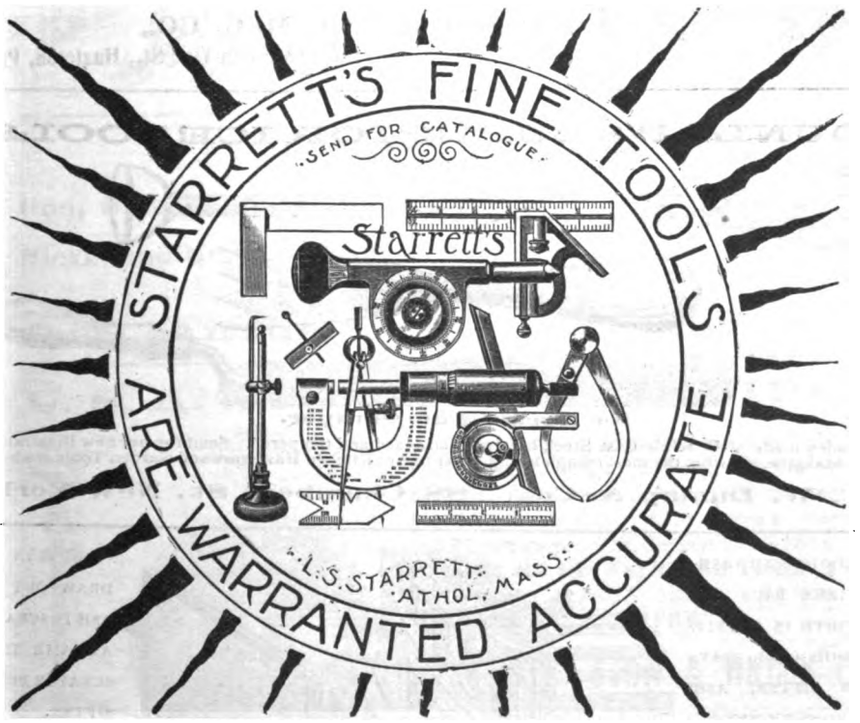
THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. **Dies and Tools.**

176 CENTRE STREET, (Opposite Earle's Hotel) **NEW YORK.**



HALL'S IMPROVED PIPE WRENCH.

An Entirely New Tool.



Grips quickly and firmly, *galvanized* as well as other pipe, *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

GET OUR LITTLE BOOK. FREE.

SAMUEL HALL'S SON, 229 WEST TENTH STREET, NEW YORK.

WIRE & IRON WORK.



FENCING, OFFICE RAILINGS, WINDOW GUARDS, STABLE FIXTURES, ETC.

GRAVE GUARD.

RESERVOIR VASES.

IT WILL PAY YOU TO HANDLE THEM.

ROOF CRESTING.

LAWN FURNITURE, FOUNTAINS. STATUARY.



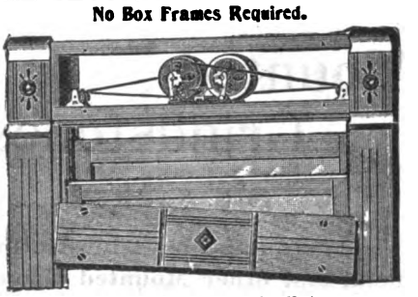
ILLUSTRATED CATALOGUE FREE.

E. T. BARNUM,

DETROIT, MICH. RESERVOIR VASE

THE SECURITY SASH BALANCE.

No Box Frames Required.



The most simple, durable and efficient balance made. Weight of sash not essential when ordering balances. Specified by Architects, and recommended by Builders. For sale by the Hardware Trade generally. Manufactured by the

Richmond Safety Gate Co., **Richmond, Ind.**

You cannot miss on the quality when you handle only the best

TRADE MARK REGISTERED.
BAEDER, ADAMSON & Co.
MANUFACTURERS OF
GLUE
SAND PAPER, EMERY PAPER, EMERY CLOTH
CURLED HAIR.
FOUNDED 1858.
NEW YORK. BOSTON CHICAGO. PHILADELPHIA

Sand Papers IN Reams and Rolls

- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

H. A. FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co

700 MARKET STREET, PHILADELPHIA
87 BEEKMAN STREET, NEW YORK
140 MILK STREET, BOSTON
102 LAKE STREET, CHICAGO.

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BLACKBOARDS

Are now ready for Painting,

AND THERE IS BUT ONE ARTICLE WITH WHICH TO PRODUCE A SATISFACTORY RESULT, AND THAT IS

THE LAWRENCE BLACKBOARD SLATING.

This slating will not glaze, scale or blister when properly applied. The great fault with other liquid slatings is that they produce either too smooth or too rough a surface. **The Lawrence Slating** avoids both faults and produces a slightly rough yet black surface, that can easily be written on, which takes up but little chalk, and from which erasures are easily made.

CIRCULARS AND PRICE LISTS ON APPLICATION TO THE MANUFACTURERS.

W. W. LAWRENCE & CO., - Pittsburgh and Buffalo.

NEW ENGLAND AGENTS, Carpenter-Morton Co., Boston. WESTERN AGENTS, Thos. Kane & Co., Chicago.

OHIO AND SAMSON

ARE THE BEST

Mounted Grindstones

ON THE MARKET.

Send for Catalogue C 2 illustrating them, and other Mounted Grindstones, Scythe Stones, &c.

THE CLEVELAND STONE CO.,

Hickox Building. **Cleveland, O.**

STANDARD FIBER-WARE COMPANY. STANDARD TRADE MARK. MANKATO, MINN.

WE PAY THE FREIGHT.

Instead of trying to crowd our goods upon an unwilling market the past two years, we have been working for better processes—to make **better goods for less money,** and now "we have got there with both feet." Our **pails are larger** than other makes, yet **cost no more.** Made of **strong fiber, wound,** and **steel bound,** they don't split open, nor chip off at edges. They have a **chime** you can **catch on** to, and a truss bottom that don't warp, loosen or leak.

All "Standard" Pails, Slop Jars, Spittoons, Wash Basins, etc., are **water-proofed** and **indurated throughout** by our newly applied process, and are **absolutely unsoakable.**

An **Ebony enamel,** hard and smooth, gives "Standard" ware an **attractive** appearance, and a **durable** finish. **Scores of families** in every county will use it largely if it can be got "at the store." **Do you want their trade?** Lots of 100 lbs. or more, delivered f. o. b. cars, at their depot, to all responsible dealers.

TIME WILL TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

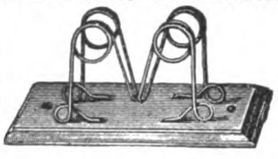
HARDWARE,

and they will soon melt under it like rock salt.

TO KEEP A BROOM

Use the **COMMON SENSE BROOM HOLDER.** It keeps a broom dry, keeps it in shape, keeps it from rotting. **Holds a Broom either end up,**

BEST IN THE WORLD.



"WIRE HANGERS."

12 STYLES FOR

Ladies and Gents Garments.

WRITE FOR PRICES TO THE

BARBER-KOENIG MFG. CO.,

No. 115 North Vine St., Hazleton, Pa.

DUNLAP'S SUPERIOR ICE TOOLS



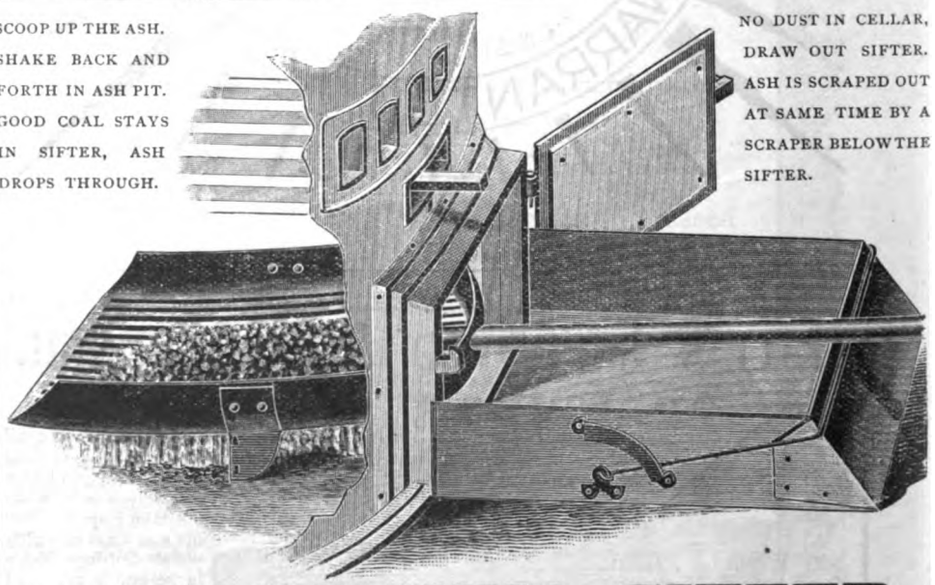
Ice Cream Can Scraper.

Blades made of Crucible Cast Steel, carefully hardened and tempered. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St., New York.

SCOOP UP THE ASH. SHAKE BACK AND FORTH IN ASH PIT. GOOD COAL STAYS IN SIFTER, ASH DROPS THROUGH.

NO DUST IN CELLAR, DRAW OUT SIFTER. ASH IS SCRAPED OUT AT SAME TIME BY A SCRAPER BELOW THE SIFTER.



LACKAWANNA SIFTER

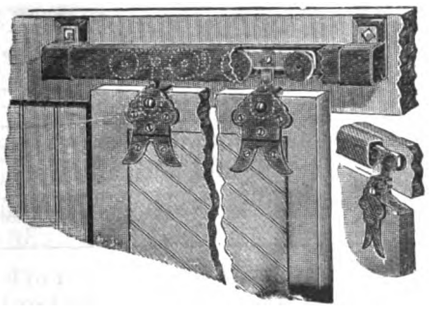
For Furnaces only. Is a scoop with slots, also a scraper beneath to bring out ash into a pan which we also make. No dust. All sifting is done in the ash pit. Write us.

THE LACKAWANNA SIFTER CO., Cleveland, Ohio.

Agents:

BIGELOW & DOWSE CO., BOSTON, MASS. LAWRENCE & LOCK, NEW YORK CITY.
G. W. VANTINE & SON, PHILADELPHIA, PA.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

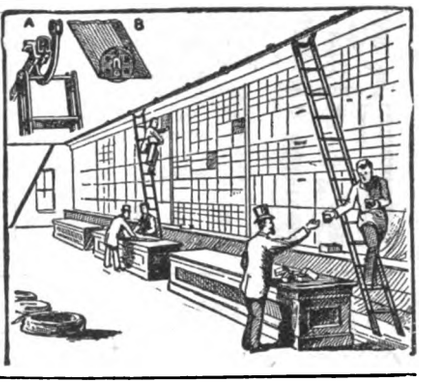
Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

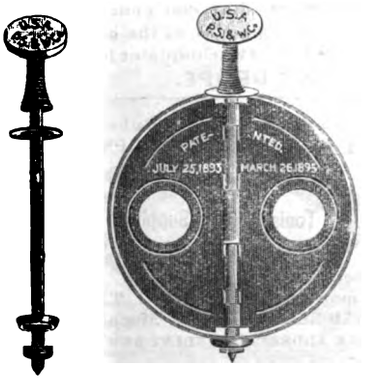
Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

U. S. A. STOVE PIPE DAMPER.



Absolutely safe. Indestructible. Wrought Iron and Steel. No breakage, no loss. **SOLID STEEL SHAFT,** sharp pointed, passing through solid wood handle. Always cool. Easily inserted. Corrugated and will not warp. The cheapest and the best. **YOU CANNOT BE UP WITH THE TIMES** if you do not have the U. S. A. Damper. For sale by all **DEALERS EVERYWHERE.**

THE PECK, STOW & WILCOX CO.,

NEW YORK and SOUTHINGTON, CONN.

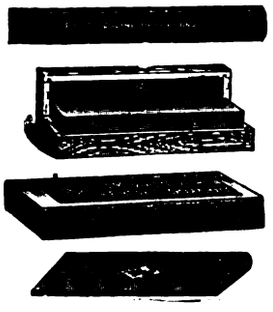
Manufacturers of

Tinsmiths' Tools and Machines.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND.
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG.
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

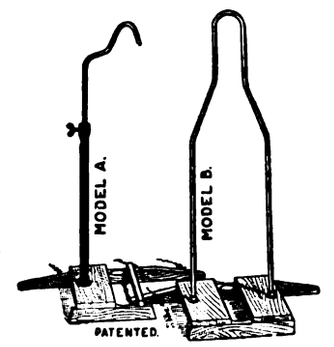
THE PIKE MFG. CO., - Pike Station, N.H.

— THE —

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME.

—Price, $1.00 Each.—

FOR SALE BY LEADING BICYCLE DEALERS

—Manufactured by—

Wm. M. Justice & Co.

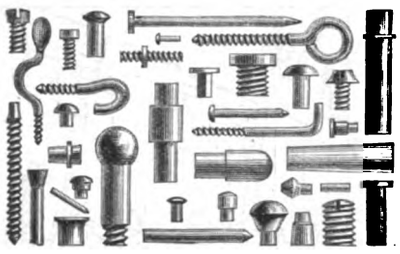
PITTSBURG, PA.

Liberal Discount to the Trade.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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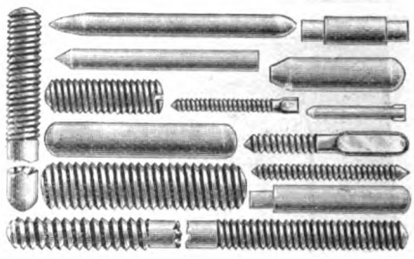


Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.



American Lead Pencil Co.,

429 Broome Street, New York.
110 Cheapside, London, England.



113. "CARBON" PENCIL.

TO obviate that tired feeling and dull pain in the fingers, which invariably accompany the use of the ordinary black lead pencil whenever too much pressure is brought to bear or it is used any length of time, and at the same time to produce an article that is very smooth, very black and very firm, thus adapting it for all kinds of work where a fine, smooth, black and legible mark is required, this pencil cannot be too highly commended. For writing on soft paper it surpasses anything heretofore produced; and for sketching, draughting and heavy shading it is indispensable.

Dozen mailed on receipt of 50 cents. Samples, Catalogue, Information upon Application. Address
American Lead Pencil Co., 429 Broome Street, New York.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Hardware Dealers

Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.

P. S. STUB'S FILES. TOOLS. STEEL.
Hubert's French EMERY PAPER.
KEARNEY & FOOT FILES.
CHURCH & SLEIGHT IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST NEW YORK.
ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.
TWIST DRILLS, TAPS, DIES, Machine Screws.
CABLE ADDRESS "BUNDLET NEW YORK."

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."



Guaranteed
Best Anti-Friction Metal for all machinery bearings. For high speed and heavy crushing weight it has no equal. It is used on bearings where no other metal will stand.
THEO. HIERTZ & SON, Sole Manufacturers,
Montrose and Park Ave., St. Louis, Mo.
Manufacturers of all grades Babbitt Metals, Solder, Bar Tin, Bar Lead, Lead Car Seals, etc.

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THE ORIGINAL IS THE BEST.
ROYAL CENTRAL DRAFT LAMP.

This Lamp has no Superior in the known world.

Gives the Largest Light for Wick Exposure of any Lamp made.



ROYAL LAMP.—No. 1013.

Chimney Lift and Wick Raising Device the best and easiest of adjustment. There are many imitations of these improvements, but the **ROYAL** is still the best.

The Royal Chimney. Lift will stay in position while lighting the lamp without support from the hands. This no other lift device will do.

The Wick Raising Device of the Royal Lamp is unquestionably the best, and has the approval of our largest competitors by their practical adoption of it.

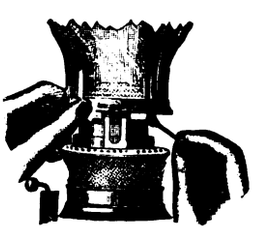
The Wick can be adjusted more accurately and more easily than by any other device.

Workmanship, Style and Finish are unsurpassed. Made in all finishes of Stand, Table and Banquet Lamp. No better lamp for the dealer to handle.

The Plume & Atwood M'f'g Co.

29 Murray St., New York **199 Lake St, Chicago, Ill.**

The



B & H
LAMPS.

—Easy to Light—

—As Gas.—



For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place

—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT. This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. **BOSTON,** 160 Congress St. **PHILADELPHIA,** Room 710, Betz Bldg. **CHICAGO,** 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

"U. S." Club Skates

For Season of 1895 and 1896.

Manufactured by

P. LOWENTRAUT.

"U. S." LADIES' CLUB SKATE.

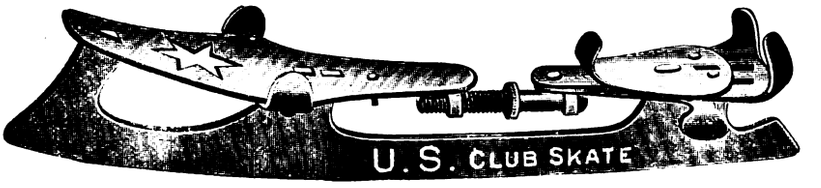


SEVERAL new numbers have been added to our line making it complete in all grades. We are also making a new racing skate with wood top, the "STAR."

OUR CATALOGUE is now ready and will be mailed on application. . . . . .

SEE our skates and write for prices and terms. . . . . .

"U. S." CLUB SKATE.



Sole Agents, John H. Graham & Co.,

P. O. Box 1042. **113 Chambers Street, New York.**

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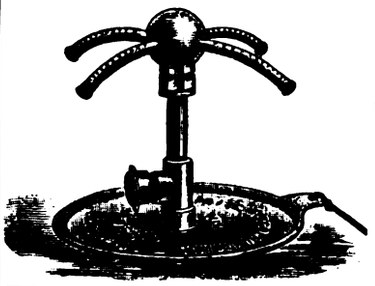
THE ENTERPRISE M'F'G CO. of PA., Third and Dauphin Streets, Philadelphia.

CHERRY STONERS.



PRICES
No. 1, Japanned, $7.50 per dozen.
No. 2, Tinned $9.00 per dozen.

LAWN SPRINKLERS.



Indispensable to a Well Kept Lawn.
No. 1, $3.50.
No. 2, $2.75.

FRUIT & JELLY PRESS,
TINNED.

Invaluable for making
Wines, Jellies & Fruit Butters.

Price, . $3.00



RAISIN SEEDER,
TINNED.

Will Remove Every Seed Without Waste.

PRICE.
No. 36, . $1.00



Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

FOR SALE BY THE HARDWARE TRADE. SEND FOR CATALOGUE, FREE.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.
- LORING & PARKS, PLYMOUTH, MASS ESTABLISHED IN 1342.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

CONSOLIDATED 1891.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

The Sterling Emery Wheel Mfg. Co., Tiffin, O.

EASTERN AGENT:

L. BEST,
45 Vesey Street,
New York.

CUTTER, WOOD & STEVENS,
131 Pearl Street,
Boston

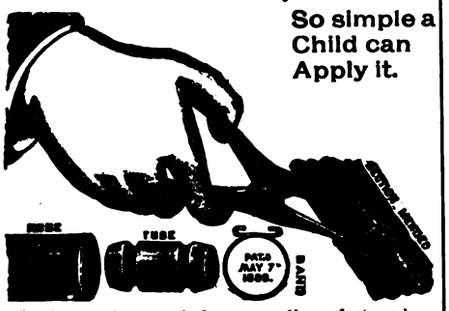


MANUFACTURERS OF

Emery AND Corundum Wheels.

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Hudson's . . . . Garden Hose . . Mender . . . .



Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in these goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

CLIMAX WATCH



FOR

$2.00

American Lantern Pinion Stem Wind ¼ Plate Gilt and Nickel Plain and Fancy Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

A business without advertising is like a gun without ammunition. Advertise in **"HARDWARE."**



AT THE TOP AND GOING TO STAY THERE

OPERATING: Wheeler, Madden & Clemson Mfg. Co. Richardson Bros. Harvey W. Peace Co. Woodrough & McPartlin

THE

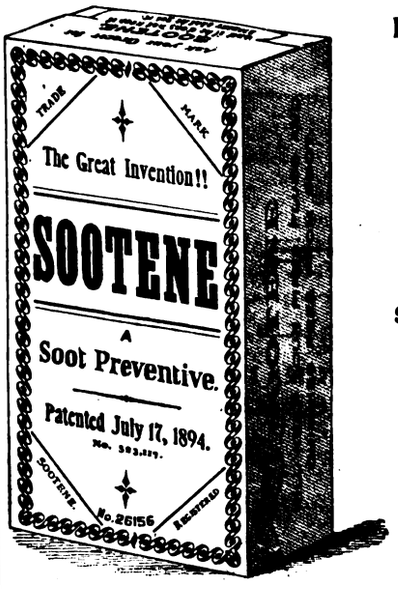
NATIONAL SAW CO.

GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists



INCREASE
Your trade by adding a desirable article to your stock. Try SOOTENE.

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GENERAL AGENTS FOR
Central and Northern States,
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ROYALL GIVENS,
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The Smith & Egge Mfg. Co.,

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Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

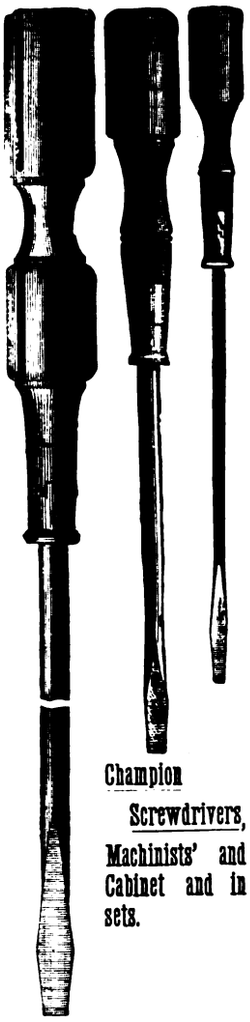
Models, Special Tools

And the manufacture of all kinds of

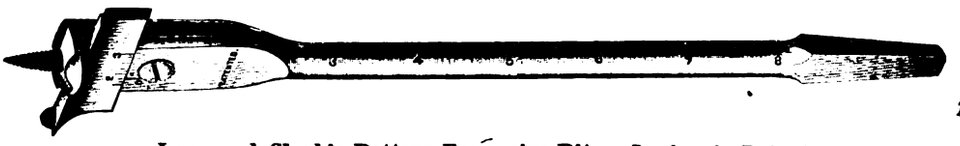
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

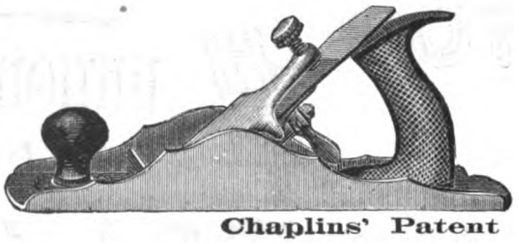


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

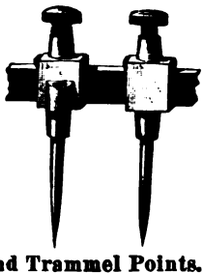
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Plumb Bobs and Trammel Points.



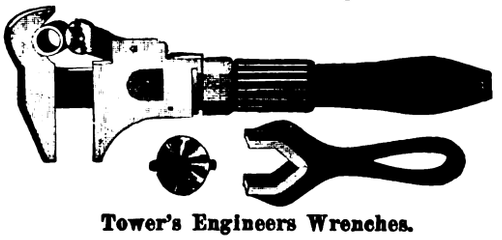




Mall Lamps and Oilers.



Stephen's Pat. Vises.



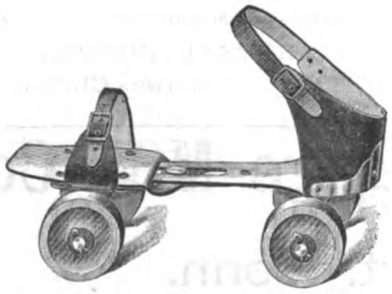
Tower's Engineers Wrenches.

TOWER & LYON,

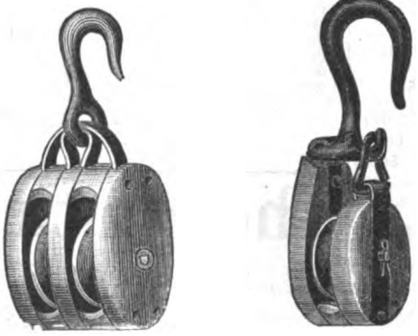
95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



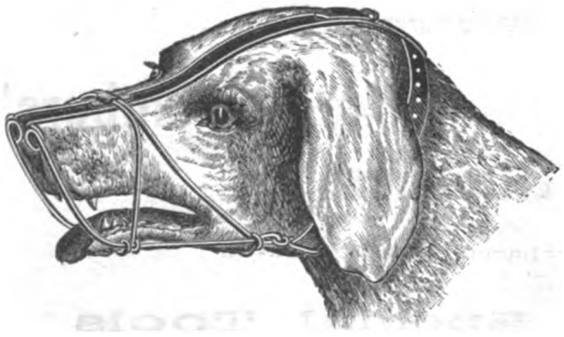
EXTENSION ROLLER SKATES.



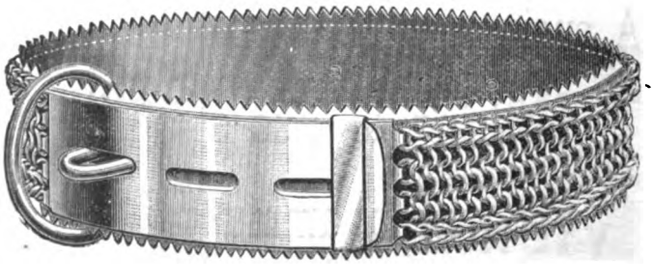
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

UNION HARDWARE CO.,

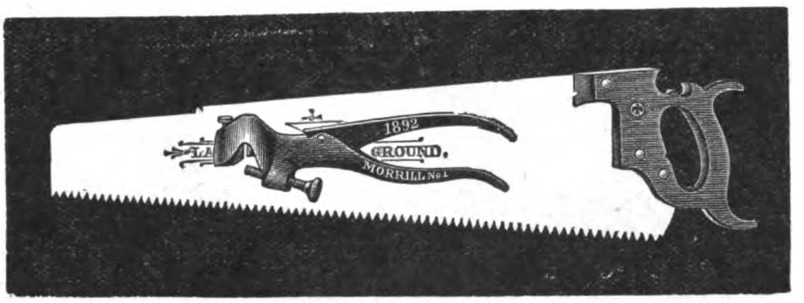
95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

New York Office in charge of TOWER & LYON.

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Universal
CAR
AND WAGON



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Punches.
SEALERS
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THE ATKINS SAWS
TAKE THE LEAD.

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Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

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Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2—3
Roundiron	¼—¾	⅜—1	¾—1⅞	1⅛—2⅛	2¼—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator" Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.



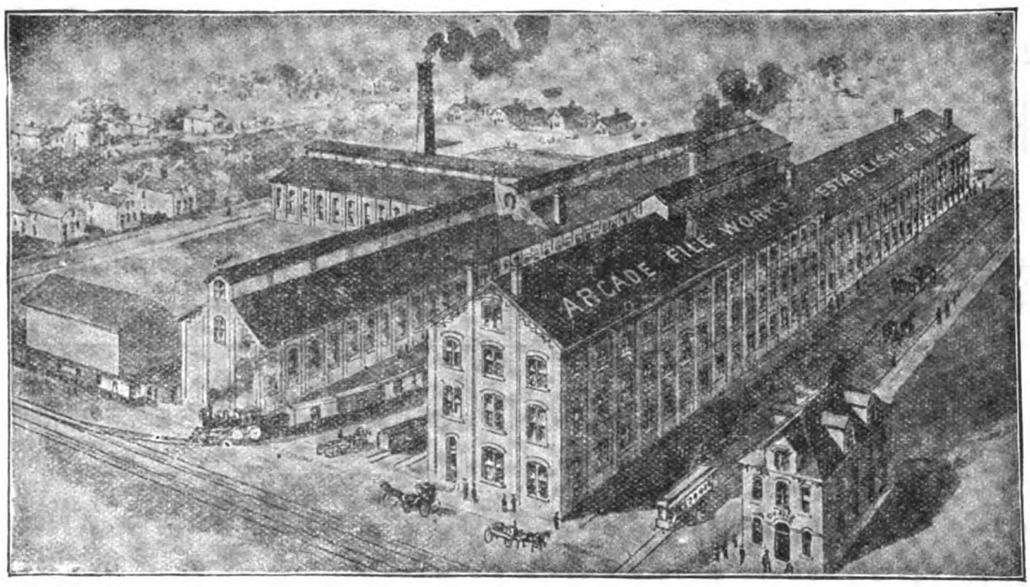
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

Eastern Office and Warehouse, 83 READE STREET, - NEW YORK CITY.



Western Office and Warehouse, 23 LAKE STREET, - CHICAGO, ILL.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the Improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.

Revolution in Washing Machines.



Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

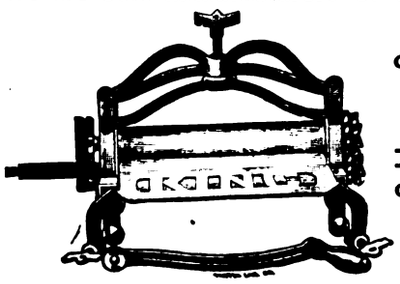
Write for Prices and Terms.

The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.



We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the ERIE and KING Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

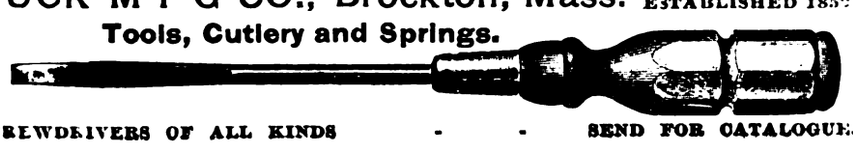
THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.

A YOUNG Merchant, residing in Solengen, and well posted in Hardware lines, wishes position as buyer on commission for a large importing house in the above line. Address P. 5192, Rudolf Mosse, Cologne, Germany.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852

Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

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The Largest and Most Complete File Works In The World.

NICHOLSON FILE COMPANY

PROVIDENCE, R. I.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all Shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.

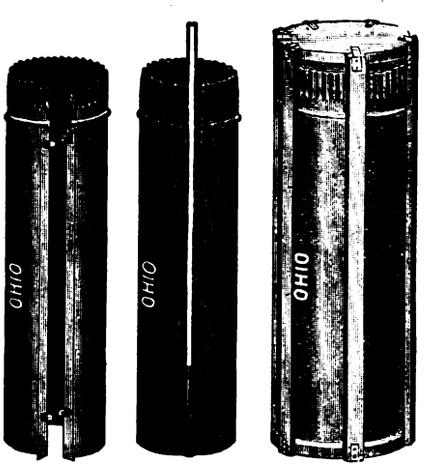
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizse:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in.... "

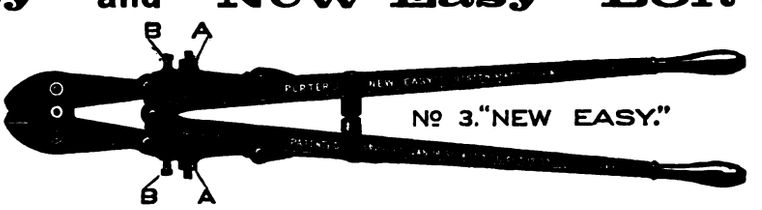
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



No 3. "NEW EASY."

For ⅝ Inch Bolts.

Send for circular and price list.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

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Cheapest,
Best.

MONEY IS SLIPPING
THROUGH YOUR FINGERS
UNLESS YOU ARE SELLING

THE ROYAL DOOR CHECK AND SPRING.

(Checks by Compressed Air.)

Every Check Warranted.

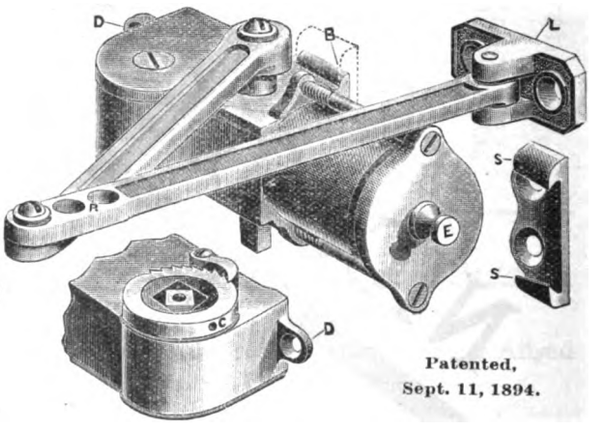
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AGENTS WANTED IN EVERY TOWN.

W. H. QUINN & CO.,

GENERAL AGENTS,

103 CHAMBERS STREET, NEW YORK.



Patented,
Sept. 11, 1894.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

JOBBERS who do not become acquainted with Winslow's Ice Skates in **1895** will regret it.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

RETAILERS cannot afford to buy a stock of Ice Skates for **1896** before they have seen and considered

WINSLOW'S SKATES.

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HARDWARE

VOL. XI. AUGUST 10, 1895. NO. 9.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY.
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE

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Who first called a crowbar a crowbar? This conundrum is still unanswered.

The saying "hard as nails" can be appropriately changed to "as high as nails."

There are a great many business men in America, who are hoping that Congress may forget to convene for a couple of years.

The story now comes that a ship is to be constructed that will cross the Atlantic in three days. This feat is probably an impossibility, and perhaps it is best so. Three days upon the ocean is not long enough to get the malaria out of one's system.

Each year is, of course, historic, in that it joins the past and the future, and the happenings that lie within it, have their influence upon the course of after events. But some years there are, which stand out distinctly, as turning points in the world's career. In this sense, 1895 bids fair to be classed as memorable for an upward turn of prices. Two hard, dry, unpromising years lie behind it; and back still farther, we can hear the sound of crashing prices, going down, down, until in some cases, the consumer was getting goods for less than it cost to make them. The American manufacturers and merchants have heard these ominous sounds for so many years, that they can hardly believe their eyes, as they see the scales of prices moving upward and upward. They are beginning to dream of profits once more; and the dealer feels safe in carrying a stock, in the expectation that it may increase in value during the silent watches of the night.

Government Ownership of Railways.

What might be expected in this country if the government should go into the railway business is indicated by the demands of the French railway employees, some of whom are in the government service direct, and more of them in the employ of corporations operating the roads that are owned by the government. Their demands are an eight-hour day, minimum wages of five francs or one dollar a day; two weeks' vacation, with free transportation over all the railways of France; uniform wages and conditions on all lines, and a pension of 1200 francs per year after twenty years' service irrespective of age and health.

Those people who advocate our government buying up the first mortgage on the Union and Central Pacific railroads in order to protect the second mortgage held by the government, and then have the government own and operate these roads, can get a glimpse of the probable result.

Producers on the Pacific coast might get their goods carried below cost at the expense of the rest of the country. Our office-holding army would be largely increased, and the operating expenses of the roads would be much higher.

The American Federation of Labor some time since passed resolutions favoring this, doubtless expecting that the operatives would get more pay for less work than they do now, and while it may be for their interest, it certainly is not to the interest of the rest of the people of the United States.

What Holds a Customer?

The answer may be made in one word—Service. That means a satisfied patron—one pleased with the quality of goods, manner of delivery, the method of rendering accounts, the courtesy of attendants, the style of the store and its service, the personnel of the establishment, the prestige or general reputation of the store.

If all these and other minor details are pleasing, they will retain customers, almost regardless of prices. Customers must have confidence in a store if they are held; confidence is based upon character, and that is of slow growth but easily destroyed. The building of a good name for a store is the work of years. The beginnings of all the great houses which to-day enjoy public confidence were small and the start was made many many years ago. Frequently some new competitors leap into the arena and endeavor to start upon a basis regarded the equivalent of the facilities and capital of the older houses, but almost invariably they fail. Growth is as much a part of the development and maturity of business life as of animal and plant life.

The Hardwareman, or other man, who takes a genuine summer vacation, is better equipped for the labors of the year, than he who pegs away for twelve months without let up or breathing spell.

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Western File Works Plant Changes Hands.

The Great Western File Co. has been organized with a capital stock of $400,000 and the plant of the Western File Co., Limited, of Beaver Falls, Pa., has been purchased and work will commence shortly. The transfer of the property was made on July 27th, though the deal was practically closed several weeks previous. The deeds were made over under the name of W. J. Judson, of New Jersey. The plant is said to have been bought for about $200,000, which, considering the fact that it cost in the neighborhood of $750,000 to equip, is a very reasonable figure. The plant will be operated by the Nicholson File Co., of Providence, R. I. The capacity of the plant will be enlarged considerably and will give employment to three or four hundred men at the beginning.

The factory is considered the largest and best equipped of its kind outside of the New England States. The Nicholson File Co., by whom the plant will be operated, have, for twenty-five years, been considered the leading file makers of the world, and at the present time they are operating several large factories, including two plants at Providence, R. I., which have a daily output of about 4000 dozen, and the American File Co., of Pawtucket, R. I., with an output of 1500 dozen per day. All of these factories have been running overtime to fill orders. It is estimated that the productions of these factories represent 50 per cent. of the files and rasps manufactured in this country during the past year.

Michigan Hardware Constitution.

The following is the full text of the constitution of the recently organized Michigan Hardware Association:

The Michigan Hardware Association is intended to include in its membership all responsible Hardware dealers throughout the State of Michigan.

The trade have long recognized the necessity of an organization and the need of closer social and business relations, realizing that much unjust competition arises from misunderstandings and imaginations therefrom; also having for its object the protection of honest dealers and guarding them against fraud. These are the principles of this Association.

It is not intended to encourage any schemes of individuals or firms, but to consider and act upon all matters pertaining to the general welfare of the trade.

You are respectfully invited to examine the Constitution and By-Laws on the succeeding pages of this pamphlet.

CONSTITUTION.

ARTICLE I.

This Association shall be called the Michigan Hardware Association.

ARTICLE II.

The objects of this Association are social intercourse and the discussion of all matters of interest relative to the Hardware trade.

BY-LAWS.

ARTICLE I.

Any person, firm or corporation in Michigan engaged in the business of selling Hardware and known and recognized as a regular Hardware dealer may become a member of this Association.

ARTICLE II.—FEES AND DUES.

Section 1. The fee for admission to membership shall be $3, which amount shall include membership dues until January 1, 1896.

Section 2. Any applicant for membership recommended by a member of the Association will be eligible to membership by a majority vote of the Executive Committee.

Section 3. No firm or corporation shall be entitled to more than one vote.

Section 4. The dues of each member shall be $3 per year, payable in advance in January.

Section 5. Persons admitted to membership in each year shall pay in advance as dues 25 cents per month for unexpired part of year, including the month of application.

ARTICLE III.—APPLICATIONS FOR MEMBERSHIP.

Section 1. All applications for membership shall be on the blank provided by this Association, and shall be accompanied by the membership fee and dues.

FEES AND DUES.

Section 2. All fees and dues must be paid before a person can be recognized as a member or become entitled to act in this Association.

ARTICLE IV.—OFFICERS.

Section 1. The officers of the Association shall be three in number, to consist of President, Vice-President and a Secretary and Treasurer, who shall be elected by ballot at the annual meeting and who shall hold office one year or until their successors are elected and shall have qualified.

EXECUTIVE COMMITTEE.

Section 2. The Executive Committee shall be seven in number, to consist of the President, Vice-President, Secretary and Treasurer and four members to be elected at each annual meeting, to hold office for two years.

ARTICLE V.—DUTIES OF PRESIDENT.

The President shall preside at all meetings and act as chairman of the Executive Committee; in his absence the Vice-President shall perform the duties of President. The President shall provide all committees unless otherwise ordered or provided for in the By-Laws.

ARTICLE VI.—DUTIES OF SECRETARY AND TREASURER.

The Secretary and Treasurer shall keep a record of all meetings of the Association and its committees, conduct all correspondence, notify all committees of their appointment, keep a list of members in a book for that purpose and perform such other duties as pertain to his office or may be prescribed by the By-Laws, have charge of all moneys of the Association, collect all fees and annual dues, pay all bills when approved by the President, and report the condition of the treasury at each annual meeting and when required by the President.

ARTICLE VII.—DUTIES OF EXECUTIVE COMMITTEE.

The Executive Committee shall provide rooms for the meetings of the Association, and shall have power to fill all vacancies in the Executive Committee, and shall transact all ordinary business of the Association not requiring a special vote.

ARTICLE VIII.—INVESTIGATING COMMITTEE.

An Investigating Committee of three members shall be elected annually at the annual meeting of the Association. It shall be the duty of this committee to receive and investigate all complaints, provided such complaints are made in writing and signed by the party or parties aggrieved, and that said complaints be accompanied by affidavits or other evidence to form a proper basis of complaints or source of investigation. They shall endeavor to adjust amicably all such grievance or complaints and if unsuccessful shall bring the matter before the Executive Committee for action. All traveling or other legitimate expenses of this committee shall be paid from the funds of the Association.

ARTICLE IX.—ENTERTAINMENT COMMITTEE.

The President shall appoint at each meeting a committee of three members, whose duty it shall be to furnish speakers or other entertainment for the next meeting.

ARTICLE X.—REGULAR MEETINGS AND QUORUMS.

The regular annual meetings of the Association shall be held on the second Wednesday in July. Fifteen members shall constitute a quorum for the transaction of business, and four will constitute a quorum of the Executive Committee.

ARTICLE XI.—SPECIAL MEETINGS

A special meeting may be called by the written request of the President or of any five members represented in the Association, the President to instruct the Secretary to issue notice of such meeting at least ten days before said meeting; the time and place to be decided by the Executive Committee.

ARTICLE XII.—REVISIONS OR AMENDMENTS

These By-Laws may be amended or revised by a two-thirds vote of those present and voting at the annual meeting of the Association. Any proposed change in the Constitution or By-Laws shall require notice to the Secretary at least thirty days prior to the annual meeting, and the Secretary shall give twenty days notice of proposed change to each member of the Association.

The design for the New York building at the Cotton States and International Exposition has been accepted, and work been commenced. It is thought that it will be one of the finest state buildings on the grounds.

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THE YALE & TOWNE MFG. CO.

In the recent anniversary issue the *Hartford Courant* devotes two pages to giving a full and entertaining history of the great Yale locks, from the founding of the industry to the development of our modern artistic Hardware, and from which we take pleasure in making the subjoined extracts:

THE YALE LOCK AND KEY.

Prior to the invention of Mr. Yale, it was the thickness of the door and the size of the lock that defined the size of the round key, then in universal use. Locks were largely fastened to the inner surface of the door, and if the door was two inches thick, for instance, the shank of the key must be equally long and added to this, it must be enough longer to reach into the lock and be able to engage with the bolt. In addition, there must be the bow, for the leverage of the hand in turning, and the extension of the shank beyond the bolt in order that the key might have a bearing on its furthest end in which to turn, much like a shaft. No matter how large the lock, the key must still keep its proportion, until some of the keys were a burden to carry, while the security was not great, being dependent usually upon a few tumblers always accessible to a picking instrument in skilled hands. This combination of round key and old style rim lock was formidable in looks, but beyond; in the matters of actual safety and security, it cut but a poor figure.

Linus Yale, Jr., who had been in business with his father, Linus Yale, Sr., at Newport, Herkimer County, N. Y., manufacturing bank locks, in which field he possessed extraordinary ability and won a leading place, conceived the idea that the key mechanism of a door lock could be separated from the bolt mechanism, thus enabling him to use a uniform size of key, regardless of the thickness of the door. He was the first to separate the key mechanism of a lock from the case containing the bolting mechanism, and to enclose the former in a separate "cylinder" or key escutcheon. This fundamental invention has since passed into universal acceptance for all fine locks, and has revolutionized the lock industry of the United States. Having accomplished this, Mr. Yale further improved his lock by adapting it to receive a key of thin flat metal. He did this by providing a small cylindrical plug, containing a slot to receive the key and forming the axis or bearing in which the key revolved to operate the bolt. These two inventions were equally fundamental—the first in its effect upon lock construction, and the second, in its substitution of a flat key for the cylindrical keys previously in universal use. The key-plug of the Yale lock contains a series, usually five or more, of pin tumblers, each contained in a hole or recess, and each having above it a secondary pin or "driver," which prevents the rotation of the plug by intersecting the joint between it and the surrounding tumbler case or escutcheon. The insertion of the proper key raises the tumblers, so that the joints between them and the drivers coincide exactly with the joint between the key-plug and the surrounding escutcheon. A variation of one-fiftieth of an inch in any tumbler, or in the fitting of the key beneath it, destroys the adjustment and prevents the operation of the lock. This fact accounts for the unrivalled capacity of the Yale lock for permutations or key changes, and enables its makers to produce 50,000 or more locks without duplicating a single key, whereas the key changes of common locks are usually limited to less than 100 permutations, and more frequently to only twenty-four, or even twelve changes.

Mr. Yale had adapted his inventions to only eight different types of locks, and (in curious contrast to the high mechanical quality of his work relating to bank locks), had made these adaptations in crude and somewhat unmechanical forms, when he met Henry R. Towne, then of Philadelphia, who, perceiving the possibility of creating a large industry out of Mr. Yale's inventions, proposed that they should unite their interests. As a result, the two formed a partnership in October, 1868, under the name of "The Yale Lock Mfg. Co.," and bought land in Stamford, Conn., for the erection of a plant. Mr. Yale continued his business in Shelburne Falls while Mr. Towne undertook the designing and erection of new buildings in Stamford. In 1868, Mr. Yale died suddenly, in New York City, of heart disease, before the new plant at Stamford had been erected. Undaunted by this catastrophe, Mr. Towne, however, pushed the enterprise forward, assisted for a short time by John B. Yale, a son of the inventor, and in March, 1869, the new buildings were completed, the machinery and business removed from Shelburne Falls to Stamford, and business begun at the new location with about thirty employees. In June of that year Mr. Towne was chosen president, which position he has held continuously since, and in 1870 the entire Yale interest was disposed of and he became ultimately the sole owner.

HENRY R. TOWNE'S FORESIGHT.

Mr. Yale had chiefly devoted his time and attention to perfecting the various bank locks with which his name is identified and was admittedly the leading expert in that line. Mr. Towne was attracted to the business by the commercial possibilities he foresaw in the flat-keyed lock. He was thoroughly educated in mechanical engineering, an expert draughtsman, and acquainted with the theory and practice of mechanical principles. He was well trained and believed in thorough work, not chance-happenings upon new principles. He has been literally the leader of the house, directing personally all the new lines of endeavor and applying the principles of independence and originality which have been the foundation of its success in a thousand different ways. In addition, he has always taken the most advanced means of informing the trade and the public of the product turned out. Mr. Yale had never printed a catalogue of his productions. One of the earliest acts of Mr. Towne was the publication of a catalogue setting forth the features of the business.

FOUNDER OF THE INDUSTRY.

Henry Robinson Towne, the founder and promoter of the great industries of the Yale & Towne Mfg. Co., was born in Philadelphia, August 28, 1844. He was educated at private schools and in the University of Pennsylvania. He entered the Port Richmond Iron Works in 1862 as a mechanical draughtsman, leaving college for that purpose. He was engaged for four years in general engineering work, especially heavy marine engines for the monitors and other war vessels, the erection of which he superintended at the Boston, Portsmouth and Philadelphia navy yards. In 1866 he made an extensive tour of the engineering establishments of England, Belgium and France, spending six months in France, where he studied at the Sorbonne. Mr. Towne has been an active member of the American Society of Mechanical Engineers from its formation, a member of its council and its president in 1888 and 1889. He is a member of the Century, University, Hardware and Engineers' clubs in the city of New York, a director of the Institute of Mechanical Engineers of London, and of several other scientific organizations. He has two sons, both of whom are now associated with him in the business.

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"Hop's" Corner.

Many of the old Hardwaremen, who were educated commercially in Cortlandt Street, especially the old employees of Sears, Adriance & Platt, will remember "Bill" Chapman who was with them a long time and was an "old timer" even in 1860, when he was clerk at the Western Hotel in Cortlandt Street, near Broadway, when Winchester had it. He afterwards went to the war and is alive to-day, a veteran in every sense of the word, the most important man on the Anchor Line Steamship pier above Canal Street. "Bill" was clerk for John C. Tucker & Co., when I linked my fortunes with the house in 1856, and was noted for his fidelity to business and to a system and method in all his work that were characteristic of the man.

In those days, when imported goods formed largely the bulk of a stock of Hardware, especially shelf Hardware, nearly everything was imported in paper packages; good tough paper, and excellent string. Pocket knives, table cutlery, padlocks, saws, almost all the articles that are now put up so much more conveniently in good paper boxes, and it was considered quite a knack, to tie the string properly, and fold up the packages in the original folds of the paper, especially those on the fronts of which the samples were invariably placed so they could go on the shelves in a ship-shape manner. I might say, in parenthesis, what would seem very strange to day, every gross of screws, English or American,—and many of the former were at that time among our imports,—had a sample hanging to the front of the paper package containing it when received from the makers, a custom only abolished when the present system of boxing was inaugurated.

"Bill" Chapman was a head clerk and had charge during inventory time of sampling anew all the pocket and table cutlery, and before I had been a week in the business, I thought I knew as much about the tying up of packages, having heard so much about the art, as any of the older hands, and to prove it to my own satisfaction, I waited one day until "Bill" went to dinner and then tied up one of his half gross packages of sham handle knives and forks, of which we had quite a stock; and can see the number before me now as though it was only a month ago; it was "No. 101," having an old fashioned two tined fork. I felt confident it would be done so well he would think he had done it himself, and then I would break the news to him gently and paralyze him. Well, my thoughts an hour later were on something much more foreign than the cutlery, when I heard an outburst from "Bill," who could swear like the proverbial trooper, "who in h—— has been monkeying with these knives and forks." Of course I was compelled to make an honest confession of complicity. "You?" he said in tones of the sternest derision, "why good heavens, you haven't been here four days yet; suppose you wait until you get your first month's pay before you study the fine arts of the business."

"Well," said I proudly feeling he was jealous of my ability, "what's the matter with the package?"

"What's the matter with it?" says "Bill," "what isn't the matter with it, would be easier. Come here youngster and I'll take the trouble to give you a pointer or two. Do you see how you've got that sample fork? It's on the wrong side of the knife. Do you see those other bundles, they all have the string tied twice around the middle, so as to form a brace for the samples. Do you notice where you put the seam of the paper? Very close to the front, and without the edge turned under, so as to prevent its becoming torn in shoving it in and out of the shelf; and where did you put the ends of your string after tying your knot? About an inch and a half from the front on the opposite side of the package. Now you look at anyone of those other packages and you will see the seam is made one inch from the back, and the knot tied close to it, so the loose ends of the bow knot can be tucked beneath the seam, which the folded edge of the paper permits without tearing."

To say I was humiliated and crestfallen at my presumption, is to characterize it very mildly. I asked "Bill" "if there were any more things apparently so easy, that requires so much study to accomplish," or words to that effect.

"Yes," says "Bill," sententiously. "Lots! you just take that pail of wet sawdust and dust out those bins, and wait until they come to you."



A New Agency for Tower & Lyon.

Tower & Lyon, No. 95 Chambers Street, New York, have recently become the general selling agents for the Holt Mfg. Co., Hartford, Conn. This company manufacture a full line of braces and tool holders, bit brace extensions, household sets, auger bits, steel rules, cutting-off tools, hack saw frames, hack saw blades, nail sets, marking awls, etc. The braces and tool holders are known as the Smith system and the manufacturers say that "they are very simple in construction, and the holding power is equal to the resistance of the bit or tool used, keeping it firmly and perfectly in line. Changes from one bit to another can be made quicker than with any other, as no mistake can be made and no adjusting is required. The braces are of light weight, making them agreeable to use, especially with small tools. They cannot get out of order." Messrs. Tower & Lyon contemplated this move earlier in the season, but at that time the Smith System was only adapted to special made tools and was considered impractical. Since then, however, the company has been placed under new management and the Smith System has been improved to accommodate the ordinary run of bits. This change decided Messrs. Tower & Lyon to become the general selling agents.

Latest Thing in Bicycles.

An inventor who has recently perfected a device for mending punctures in bicycle tires, is also confident that the day is not far distant when the chainless bicycle will take the place of the present bicycle. He has been experimenting in this direction for several years and has perfected a bicycle which dispenses with the sprocket wheels, chain, 40 per cent. of the frame, and the ordinary pedals and pedal cranks. By its peculiar construction, say if 100 pounds is placed upon the saddle, it will take 40 pounds to raise the front wheel; hence it is perfectly safe. The driving levers have a rise and fall of 14 inches; hence the rider's foot travels 28 inches, while by the present chain bicycle the rider's foot travels about 42 inches. The driving levers being nearly double the length of the present pedal cranks now used on the chain bicycle, it is claimed an increase of power is obtained—hence an increase of speed. The inventor will construct the frame of his chainless bicycle of bamboo, as he has recently discovered a process to prevent bamboo from splitting, which has been a great drawback in the use of the material for bicycle frames.

A very interesting part of the exhibit to be made by the Department of Household Economies of the Woman's Board, at the Cotton States and International Exposition, will be cooking by electricity. Electric stoves will be shown in operation, and the process fully explained. Aladdin's Oven, an invention of Edward Atkinson, the famous statistician, will also be shown. By means of this oven, the heat from an ordinary oil lamp will cook a dinner.

HARDWARE costs only One Dollar a year.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.—V.

I wish that every young man who enters upon a mercantile career, might have such mentor and friend, as Almon Nichols was to me. Many of his thoughtful suggestions, and much of his wise advice, fell upon heedless ears, else I had been a better and more successful merchant than I have been. But some of the good seed found receptive soil; and in more ways than one, his counsel and help made the pathway of life easier before me.

He knew everything about the store that it was his business to know. He could buy or sell goods; win customers and hold them; look after the cash and books; figure discounts; and locate every piece of goods, and name the price, with his eyes shut. He took me in hand from the beginning, and was indeed "an elder" brother, in the sweet, old-fashioned meaning of the term.

I think that it was upon the third day of my service with Samson & Crown, when I felt that the time had come to show the clerks along the street how profuse I could be in the way of clothes, if so minded. At the noon hour I hauled my little trunk from under the counter, and donned the pair of light blue army trousers to which reference has been made before.

Even yet can I remember the luster with which they shone as I marched up the street to dinner and home again. The clerks who lolled about the store doors or were upon the street, seemed quite happy over something which I did not quite understand. When Almon saw the outfit, he enlightened me in a quiet, delicate way.

"Those are mighty good trousers of yours," he said, "and will be just the thing to pack eggs or butter in, but they are a little too colorsome, as it were, for street or store wear. Don't you think so?"

"Perhaps so," I answered. "But I have only the one pair besides these, and if I wear them every day, what shall I do for Sunday?"

"I'll fix that," he said. "Let's see just what we have in the way of clothes to go and come upon."

I showed him the yawning emptiness of my trunk. He then entered into consultation with Mr. Crown, and came back and said: "What you need is a good suit of clothes throughout. The boss says to have one made for you, and take it out of your wages for the first six months."

No young man in Grange was more proud of his clothes than I was with that twenty-dollar suit of gray, when it emerged from the hands of the tailor. It kept me short of spending money for the half-year following, but as I never received a letter from my mother that did not contain fifty cents in government "script," I managed to come out even at the end of that time.

I mention this incident simply to show one way of the many in which Almon served me. It was he who took me to church on the first Sunday, and introduced me to a Bible class; it was he who hinted that well-cleaned boots and well-combed hair were the essentials of polite society in Grange; who kept me away from the influence of clerks whose association would have been harmful; who aided me to a better class of reading than I had been accustomed to.

The qualities that made Almon a successful clerk, have been of great aid to him in a mercantile career that has been crowned with an abundant success. He is to-day the senior partner and moving genius in a great mercantile house in the West. Some day I hope he may be persuaded to write for these columns a series of "confessions" of his own, and then I am sure that the young clerks who read him, will have something that they can follow with benefit to themselves and to the gain of their employers.

And yet, with all his success, he does not seem content. I had a letter from him a few days ago, which I here quote as a curious side-light upon human nature. Where can we find a suecessful man, who does not feel that he could have done better, or been happier in some other walk of life? To my mind, life has dealt joyously with him, and yet from the summit of material success, he can see only disappointment and misdirected effort.

"It is true," he writes, "that I have done well in a business way, but life upon the whole has not been as I would have ordered it. I have spent the years that have gone since we were boys together back in Grange, in labor that now seems to have been little more than drudgery of a mental kind—markets to be watched; goods bought and sold; accounts collects; money invested so that by its own power it shall make more money for me to invest. Do you remember the dreams we had in the olden days? You were to be a lawyer, holding juries spell-bound by your eloquence; and I, with my pen, was to thrill audiences of larger proportions. The whip of necessity and of duty drove me into business; the fatal forces of existing conditions have kept me there. The best portion of my nature—that part I should have cultivated—has lain dormant. I had hoped to become a poet; I became, and ever shall be, a money-grubber. It is too late for an attempt at anything else. The power is gone; and there lies in its place only the sadness of regret. There may be a consolation. I have a son who shows something of the power of which I once felt certain. It may be that he shall be permitted to accomplish that which proved to be beyond me."

A re-reading of this plaint has left me but little inclined to take up the thread ot a narrative which, I am afraid, I undertook without due consideration of the responsibilities which it involves. Thrice this morning have I laid down my pencil, and left my desk, to wait upon customers who were in search of haying tools and calico; and the sharp-eyed young German who is my employer, is doubtless wondering why his plodding old clerk is engaged upon a task that apparently has no connection with the store. He does not, perhaps, comprehend that even an ancient clerk has a regretful memory, that at times goes back to the Sabbath afternoons in Austin's woods, when two boys sat together in the shade, and wove mystic dreams of success and fame and wealth and love, and traveled down those splendid lanes of coming adventure, in which the mind of a boy must at times travel; when each to himself is a Lancelot upon his charger, a Paul Revere waking the echoes of the centuries, a Galahad in quest of the Holy Grail, a Paul thundering new truths into the ears of a startled world.

"A boy's will is the wind's will,
And the thoughts of youth are long, long thoughts."

I remained for two years in the employ of Samson & Crown, and in that time had opportunity to learn much that might have been of great assistance in after life.

The boy of seventeen has reached a dangerous age. Not merely because he has left the sheltering innocence of childhood, and must meet the temptations that every youth must sometimes face. The trouble is that he too often knows so much, that his elders can teach him little. He feels prepared to settle all the questions of ethics or statesmanship, off hand. I recall the anecdote of that young law student, to whom the judge before whom he was being examined for admission to the bar, stated a legal case, and asked him how it should be decided,

Without a moment's hesitation the young man disposed of it, then and there. "There can be only one decision to

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it," he added pompously. "No man who is posted in common law could hesitate for a moment."

"Perhaps not," said the old judge thoughtfully. "Only it caused a disagreement among the judges of the United States Supreme Court when it came up before them. I am glad, however, to find that it is so easily disposed of."

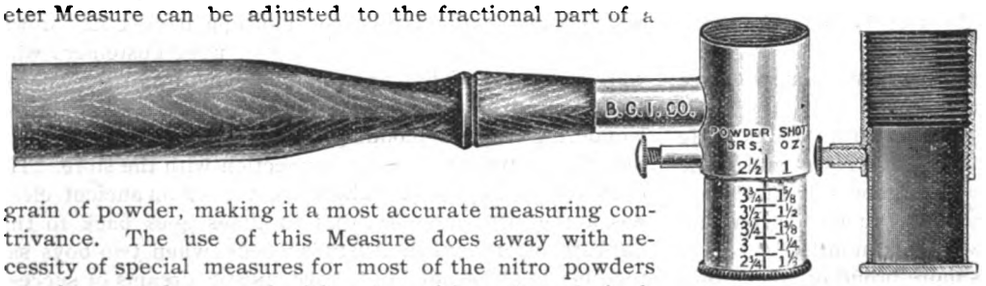
At seventeen, the young man has courage beyond knowledge, and in his enthusiasm, is ready to undertake adventures from which he would shrink in his later years. He is usually a loveable creature, withal, and even in these days of gray hairs, I can never meet him in his joyous enthusiasm and cheerful view of things, without an impulse to slap him on the back and give him Godspeed in his happy jaunt toward the unknown future.

I am not of those who would deny to youth the natural pleasures that belong to his time of life. But when he forgets the duties that have been entrusted to him, or belittles their demands upou him, because he is set upon having "a good time," he stands in great danger of his future, and needs the aid of a firm and guiding hand.

In my case, it was unfortunate that I had not entered into business with the intention of making it my life work. Like too many of the young men of America, I had taken the first opening that had offered itself, by which I could tide over the days between boyhood and manhood, and perhaps lay up a few dollars with which to aid me in the study of law. There was, therefore, no incentive to master all the details, to build up gradually, to work on to larger things. I had, also, the unfortunate belief, that superficial smartness compensated for more substantial things.

Micrometer Powder and Shot Measure.

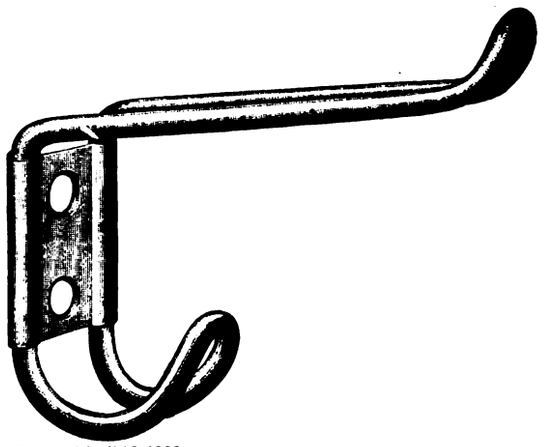
The Bridgeport Gun Implement Co., Bridgeport, Conn., and Nos. 313 and 315 Broadway, New York, have introduced the Micrometer Combined Powder and Shot Measure illustrated herewith. The introduction of this device marks another step in their progress toward perfection and absolute accuracy in the loading of ammunition. The Micrometer Measure can be adjusted to the fractional part of a



grain of powder, making it a most accurate measuring contrivance. The use of this Measure does away with necessity of special measures for most of the nitro powders now in general use, and although positive when desired, the user does not need to confine himself to the special graduation stamped on the measure, but can vary the standard charges, increasing or diminishing the same either way to a few grains, or even the fractional part of a grain, so that one can load with the charge, giving best results in different guns. The Measure as now on the market is graduated for standard drams of black powder, and is also the standard charge bulk for bulk, for EC. SS., "American wood powder," Schultze, and "Dupont's Smokeless Powders." One complete revolution of the cup equals 1-12 of a dram or 2⅓ grains of black powder, or 1 1-16 grains of Schultze powder; so, figuring from the charges above, user can vary charge proportionally on this basis to suit his requirements. The company state that "there are, however, a few special powders, such as Walsrode, American W-A 'Smokeless,' and others so powerful that the charges required are proportionally much smaller than the lowest capacity of our combination Micrometer Powder and Shot Measure. For these a special Micrometer Measure for powder only will eventually be made and put on the market to meet the requirements of sportsmen. The Micrometer Measure for the 'American W-A Smokeless Powders' will in August be ready for the market."

The Atlas Coat and Hat Hook.

The Atlas Mfg. Co., New Haven, Conn., have issued a revised list of their Hat and Coat Hooks, which we give below, with a discount of 40 per cent. The company state that about three years ago they attempted to cease the manufacture of this popular hook, whereupon there was such a pronounced call for it that it was decided to take it up again and they have been manufacturing it ever since in the several finishes which are indicated on the list. They



Patented April 16, 1889.
FULL SIZE CUT.

dropped the 2½ in. size and 3½ in. size and make simply this 3 in. hook. The manufacturers further say that "the Atlas Closet Hooks are not so convenient to put up as the common wire screw hook; they require two screws for each hook, and cost a very little more. They are, therefore, not recommended for work where the cheaper hook will answer. They are especially adapted to all places where hard usage is to be expected, such as school-houses, halls and public buildings, and we strongly recommend them for the better class of private dwellings. The difference in cost would hardly amount to a dollar on a whole house. They are better than others for the work specified in the following particulars: They are heavier, are not brittle, and are amply strong. Being applied with two screws they are firm and rigid, and cannot work loose. They are roomy, well finished, and present a uniform appearance, never getting bent or out of line." The following is the price list:

PACKED WITHOUT SCREWS			PACKED WITH SCREWS.		
No. 10, Japanned	per gro.	$1.50	No. 100, Japanned	per gro.	$1.90
" 20, Coppered	"	1.50	" 200, Coppered	"	1.90
" 30, Tin Plated	"	2.50	" 300, Tin Plated	"	2.90
" 40, Brass Plated	"	2.50	" 400, Brass Plated	"	3.25
" 60 Nickel Plated	"	5.00	" 600, Nickel Plated	"	6.00

Packed ½ gross in paper box; 10 gross in case.

The company inform us that business for this month has more than doubled what it has been in any July since 1892.

A dispatch from Pittsburg says: The Carnegie Steel Co. at Homestead have tested a new plan for reheating molten metal that has become chilled before it can be poured into the moulds, causing delay and loss. The new plan largely consists in forcing into the mass an electric current, by which an intense heat is generated. The molten steel was set to bubbling, and the light and heat was so intense that the workmen's eyes seriously suffered, but at the next test they will wear glasses. The experiment was largely successful, and the results promise to become indispensable in the manufacture of steel.

The successful merchant follows no criterion but that of integrity and hard work.

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"POINTERS ON MAIL ORDERS."

The Simmons Hardware Co., St. Louis, have published a little pamphlet with the above heading, in which they have condensed their years of experience into a few maxims for the guidance of the patrons of their house when ordering by mail. As these instructions have a general value to dealers who give such orders, whether to the Simmons Co. or elsewhere, we have obtained permission from the company to make extracts therefrom, and from the mass of valuable information the following "pointers" have been gleaned:

Retail merchants who are most successful buy frequently, in moderate quantities, keep their stocks thoroughly well assorted, and have what people want when they ask for it. No other one thing contributes so much to the success of a retail Hardware dealer as this.

It is a mistake in these days of quick freights for a merchant to buy an unnecessarily large stock at one time.

If you have a large stock of old style goods, you cannot profitably take up newer and better things promptly as they are put upon the market.

A wholesale house carrying a large and varied assortment of goods that fills orders promptly and satisfactorily is absolutely essential to the success of the retailer. The retailer should look upon the stock carried by his jobber as his own reserve stock, to be drawn from at such times and in such quantities as he may elect.

The larger the assortment and more varied the line of goods we carry, the greater it is to the interest of the retailer, because he can obtain more variety of goods in one order, and make up a larger shipment with moderate quantities of each article, and have same all come from one house.

The local rate on 100 pounds of assorted Hardware is the same as on a carload; hence when you can make up 100-pound shipment or order you obtain a minimum freight rate.

That merchant is the most successful who makes the largest profit on the smallest amount of capital invested. A, who makes $1000 per annum on $5000 capital, is more successful than B, who makes $1500 on $10,000 capital.

Buy novelties in very small lots at first. If they sell, buy more. If they do not sell, you are not very badly hurt.

Look out for the specialty man with ten per cent. off in one-gross lots. He is dangerous! Do not buy an overstock of anything, no matter what the inducement.

Just think of the knowledge, work and expense necessary if you were compelled to buy each item you carry from a different manufacturer!

A mail order being voluntary, expresses preference for and confidence in a house; is the highest compliment, and should command the best attention and lowest prices.

Well regulated jobbing houses will show their appreciation of mail orders in a substantial manner by giving such orders the most prompt and careful attention possible.

We respectfully ask your attention to the following suggestions and recommendations in regard to better "method" in writing mail orders, believing if they are followed your orders will be handled more to your satisfaction:

Write only on one side of a sheet of paper. Well written mail orders are never cop ed, but are filled from the original orders. Where orders are written on both sides of a sheet it necessitates their being recopied. Recopying is one cause of delay.

Write only one item or size on a line. When several sizes or items are entered on one line there is danger of the stock clerk skipping one of the items.

Do not crowd your writing on the sheet. A crowded order is hard to read. Time is more valuable than paper. We will be glad to furnish order blanks on application.

Nothing but the order and instructions in regard to shipping and filling orders should be on the order blanks. When an order takes several sheets, pin them together. When they are sent in loose they are sometimes separated, and time is lost in getting the sheets together again.

Nothing causes more delay in attending to a customer's wants than their writing about several subjects on one sheet. We frequently receive one letter sheet which contains an order for goods, refers to a remittance, asking for a quotation, and possibly several other matters.

Large jobbing houses of necessity are divided into departments. Such a letter must either be copied into sections for each department or the letter itself be passed from department to department, taking its turn in each department, and the customer may be wondering why all his inquiries have not been promptly answered, and blaming the house for being very slow in replying to letters.

If dealers will write in regard to orders, remittances, quotations, etc., on different sheets, these letters will then, immediately on receipt, be sent to their proper departments to be answered the day they are received. Each part of such letter should be complete in itself, as if no other letter had been written at the same time to the house on another subject.

When ordering axes, always state whether you wish single or double bit, and also give the weight and size.

On wash boilers, tea kettles, coffee boilers and copper bottoms always give the number and state whether you wish pit or flat bottom. We often receive orders for "boilers," and are at loss to know whether customer wishes wash or coffee boilers. On wash boilers, state whether tin with copper bottoms, copper strip or all copper are desired.

In the season we carry a large stock of endless belt for threshing machines. If you need one immediately and wire for same you may depend upon your order being filled promptly.

On bit braces, state rachet or plain and give length of sweep.

When customers call for "bolts," we always send common carriage.

Always state whether cast or steel butts are wanted. In some sections nothing but steel butts are used and in others only the cast. The first number or the sizes of butts is the length, the last number is the width; 3x2½ is 3 inches long and 2½ inches wide.

On indefinite orders it is often puzzling to know whether to ship rim or central fire, long or short cartridges.

In ordering castings, especially lawn mower parts, give the year, which on lawn mowers is generally cast in the drive wheel.

The size of screen doors is often omitted. The usual sizes are 2-6x6-6, 2-8x6-8 and 3x7, ⅞ inch and 1⅛ inch thick.

On forks, state whether short (D) or long handle (length of handle), and also if hay or manure forks are wanted. Also state the number of tines. Unless otherwise ordered, we always send strapped forks.

In ordering gun goods always give the catalogue numbers and sizes. Do not forget the gauge and length of barrels on shotguns, or calibre, length of barrel and whether octagon or round on rifles are wanted.

The manner in which T hinges are now manufactured, what is called "Heavy T" is hardly any heavier than the light T. If you wish a very heavy T hinge always order "extra heavy T hinges."

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When no size or ply is given on rubber hose we send ¾-inch 3-ply, which is the usual size for garden hose.

When ordering pick handles, state whether railroad, drifting or coal, and give either the grade or the price you wish to pay.

State whether you wish locks with or without knobs. When rabbeted locks are ordered, state whether the door is right or left hand. On sliding door locks, whether astragal or flat front.

In the fall we experience much trouble on account of indefinite orders for lamp chimneys. State the grade and kind that you want as well as the number. As chimneys are not packed with assortments of lamps and as the lamps are not priced complete with chimneys in these assortments, if you wish chimneys you should make it a point to order them separately.

We daily receive orders for nails on which the customer does not state whether he wishes cut or wire. In some sections cut are used entirely, while in others nothing but wire.

On poultry netting give width, mesh, size of wire. Where the mesh and wire are not given we send 2-inch mesh, No. 19 wire. When the width is not given we have to write the customer.

Wood pumps are frequently ordered without stating the width, whether plain or porcelain lined, length or diameter. On chain wood pumps state if you wish curbs only, curbs and fixtures, or the curb complete with fixtures, chain, tubing, clamps, etc. In the latter case always give the depth of the well.

We frequently have to write customers asking whether they wish weaver's reeds in four quarters or five quarters.

In ordering horse shoes do not forget to state whether you wish fore and hind assorted, all fore or all hind in a keg. If you wish assorted, give size of shoes.

Shovels are frequently ordered without stating whether long or short (D) handles, square or round points, black or polished.

Post, drain and tile are different spades. Customers often order one kind when they wish the other.

We must caution customers in sending us orders for steel stamps to be made to order, to be sure to get the name or initials exactly right. When such stamps are incorrectly made they are worthless.

In ordering crosscut saws state whether narrow or wide saws are desired, also give the length. Recently manufacturers are selling crosscut saws without handles; therefore state if saws are desired complete with handles. On circular saws, state if rip or crosscut.

In the fall months, on account of indefinite orders on stove pipe, we are at a loss to know what to send. State whether you wish pipe nested fifty joints in a crate or common riveted stove pipe shipped out in bundles.

When ordering stove boards state whether you desire round, square or oblong boards, or common zinc, wood or paper lined.

On tackle blocks it is a common thing for a dealer to simply order the size, without stating whether single, double or triple are desired.

On trowels, be careful to state if brick or plastering are required.

In ordering tacks state whether you wish carpet or cut, blued or tinned, quarter or half weight.

When ordering barbed wire state whether you wish galvanized or plain, hog or cattle, two or four point. We have had to write so many letters asking these questions that we have finally adopted a printed form for this purpose. When ordering annealed fence wire and staples always state the number of wire, size of staples, galvanized or plain.

Wringers are frequently ordered without the customer stating whether he wishes wood or an iron frame.

State whether you wish wood or steel wheels on wheelbarrows.

When ordering extra parts of different articles, please advise us whether (if we do not have them in stock) you wish us to order them sent direct to you from the manufacturers.

When you especially desire a certain article you should make a memorandum in the order to that effect. When such memoranda are made, if we do not carry or happen to be out of the item, we not only try to get it of the other jobbing houses in the city, but go to the retail stores. In such instances you should give us some leeway in the matter of price, as we generally cannot buy such articles at the prices we sell them.

We prefer to have orders only for goods that we carry regularly in stock, as we find it almost impossible to give satisfaction on goods that we do not keep and have to buy out for our customers.

When a customer sends us an order for goods that we do not carry regularly in stock, and which is sufficient for a shipment by itself, unless otherwise instructed we turn such orders over to responsible houses in this city, with the request that they ship and bill the goods direct to the customer, as we do not profess to be headquarters for anything except goods we carry in stock.

When customers order with other goods items that are made to order, they should state whether they wish the entire bill held until such items are completed. We refer especially to seines, tents, fire guards, special sizes of bolts, etc.

As an accommodation, should we buy out special kinds of wire cloth for customers and have it cut to suit them, we cannot under any circumstances have such cloth returned to us; therefore be particularly careful in writing out such orders.

Be careful in taking orders from your customers for goods to be made to order to have it distinctly understood with them that such orders are not subject to a countermand after being placed, and that if the goods are received exactly according to specifications that they cannot be returned or exchanged. We refer especially to guns and special tools.

Instead of using the catalogue figure numbers, we prefer customers to give a full description of the article and the number and size shown in the catalogue. The figure number often represents a cut, which shows several sizes of the same article.

Dealers off of the railroad will prevent their goods being shipped wrong by being careful to enter on their orders the railroad point to which they wish the goods shipped. Where the name of the town and post-office are different, dealers will avoid having their invoices sent incorrectly by always entering and underscoring the name of the post-office.

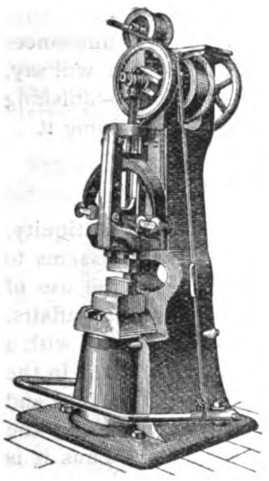
A chicago paper tells about a gentleman of that city who a short time ago, wanted fifty gold dollars for some purpose. He applied to his bank for them, and was offered the amount in larger coins, but the dollars they did not have. He looked farther, and soon found that there were no gold dollars to be had in Chicago, not even at the subtreasury. He wrote to New York and Washington, but the dollars could not be found. Finally, he learned that they could be had in San Francisco, but only on the payment of 50 per cent. premium. It is said that there has not been a gold dollar coined in forty years, and that altogether but 1,004,000 have been minted.

It is announced in HARDWARE that two new uses have been found for aluminum, the metal having been employed as a material for caskets and for the treatment of decayed teeth. It helps to fill cavities in both ways. — *Boston Journal.*

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A New Power Hammer.

Scranton & Co., New Haven, Conn., the well-known builders of Power Hammers, have recently completed and now have ready for the market a Power Hammer of similar design to their regular hammers as previously made, but much lighter. This hammer is built to fill a demand where a light, quick running hammer is required. It is small in all parts, evenly balanced, and so constructed that it requires but one horse power to run it. The size of the base is 26 inches by 26 inches. Diameter of driving pulley, 10 inches. Size of belt, 3 inches. Average number of blows, 400 per minute. Adapted to work stock from ¼ to 1¼ inches. Height from foundation to centre of shaft, 5 feet 8 inches. Extreme size of dies admitted between the ways, 5x6 inches.



Like their other hammers, this is of the upright pattern, taking the power at the top of the hammer, thereby decreasing the danger and inconvenience of belts running near the floor, where they are in the way and gather grease and dirt. The ram is guided both front and back by two upright ways, which reduces the friction and requires the ram at all times to strike an absolutely accurate blow. The adjustment of the ram is made by one turn of the wrench, and the blow is at all times under the control of the operator to start or stop instantly. The anvil is separate from the frame, which greatly reduces the jar on the hammer. This firm have had over twenty years' practical experience in the use and manufacture of Power Hammers, and are prepared to furnish hammers for all classes of forging, including file and cutlery work, carriage Hardware, plating, drawing and all kinds of general blacksmiths' work. They will be pleased to furnish promptly circulars with full information regarding these hammers to all those interested in this class of work.

Dixon's Graphite Pipe-Joint Compound.

Twelve or fifteen years ago this article was known under the name of "Smear Grease," and later was changed to "Pipe-Joint Grease." It really is not a grease, and as the name has caused some misunderstanding, the Dixon Co. have decided to change it, and it hereafter will be known as "Dixon's Graphite Pipe-Joint Compound." This compound, under one or the other of its several names, has been in the market for about twenty years. It is not only useful for joints, and all steam, gas and water piping, but is equally useful for smearing gaskets and flange joints of meters, traps and for bolts, screws, etc. In the mills, mines and factories of the Dixon Co. this compound has been used in preference to any other article. "It is infinitely superior both in usefulness and economy to red lead, and the Dixon Co. recommend it as such with the fullest degree of certainty. That the company is not prejudiced in its favor is easily shown by the testimonials of its customers, among whom are manufacturers of steam and hot-air radiators and heating appliances, iron companies, machinists, engineers and contractors, railroad companies, gas companies and general manufacturers." The president of the water and lighting department of Harrisburg, Pa., said: "I have long ago forbidden the use of white or red lead or anything but your Graphite Compound in this department. The result is that we have no more breaking of bolts or nuts on our street mains, valves, etc., or any trouble of that kind in or about our pumping plant. I think those plumbers or steamfitters who persist in the use of white or red lead are doing so purely through ignorance, as nothing is so costly, not even carelessness." "The use of red lead depends largely upon tradition. Our forefathers had nothing better and knew of nothing better, but that is no reason why we should continue to use it while there is something so many times better and more economical." This Graphite Pipe-Joint Compound is manufactured by the Joseph Dixon Crucible Co., Jersey City, N. J.

Kerosene and Water Sprayer.

The Deming Co., Salem, Ohio, have devised an attachment for their Perfected Galloway Knapsack Sprayer, illustrated herewith, whereby kerosene and water may be mechanically mixed while pumping, the mixture being made in any desired proportion, varying from 1-30 to ½ of kerosene. The different proportions are obtained by a lever which operates a stop cock at the kerosene inlet. An indicator is placed on the tank so that no mistake can be made in the desired mixture. A check valve in the kerosene supply tube and one in the water suction tube prevent any mixture of the liquids except while pumping. The company state that "kerosene as an insecticide has heretofore been made into an emulsion by the addition of soap suds or sour milk. To make kerosene emulsion requires the greatest care and precision, generally causing trouble and loss of time." The further explain that "explicit directions are furnished for operating the machine to destroy insects on fruit trees, plants, domestic animals, etc. Spraying with this apparatus is absolutely simple. It is a great labor, time and money-saving device, and will be highly appreciated by horticulturists. The nozzle used is either the Deming-Vormorel or the Bordeaux. The latter is adjustable to either fine, coarse or double spray, solid stream, disgorgement and shut-off, features possessed by no other spray nozzle."



A new freak of fashion is reported from Paris which may, like many another Parisian fashion, cross the Atlantic and take lodgment in ultra-fashionable society here. Culinary articles, such as saucepans, pudding and jelly moulds, etc., are reproduced in miniature in silver and silver gilt as ornamental objects and used as room decorations. A certain chef was inspired with the idea of employing these pretty imitations of his *batterie decuisine* for serving up a cherry compote of his own concoction at a large dinner party, and the effect is described as very original. As the dainty counterfeits cost a good deal more than the originals (unless these are of silver also) the fashion is not likely to become very general, but it is worth noting as a queer ebullition of the craving for a fresh sensation.

The United States Scale Co., Terre Haute, Ind., have recently purchased additional ground, with the intention of increasing the size of the factory and adding small scales to the line of manufacture. The company has had a steady increase in business the few years it has been in operation, and recently the orders for scales have been so numerous that the employees have been rushed. Heretofore the scales built have been of the large size, for elevators, railroads and mines.

An exchange tells a story of a man in London who determined to spend all he made during the first year in advertising. He soon found that it was impossible, for the simple reason that the more he advertised the more he made, and after a strenuous effort to get rid of his money in advertising he had to give it up.

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Advice from Across Sea.

A good, well assorted stock, nicely arranged and kept in good order is indispensable to success, writes an English ironmonger in *Ironmongery*. So arrange the stock as to have, as far as possible, everything at hand. "A place for everything and everything in its place" is a motto we ironmongers cannot dispense with. Some shops are pictures of order and neatness, others the reverse. During the hot weather I sprinkle the floor of my shop frequently. This is very refreshing to customers coming in out of the broiling sun. I often hear them remark, "How nice and cool your shop is!" The same remark will often be made with regard to neatness and order. Ladies, especially, will notice these things. They don't like to bring their new dresses into a dirty, untidy shop. They always give the preference to the cool, clean shop.

Always keep say half a dozen leading lines at hand on the counter, and introduce them to each customer. At the end of the week put them all away and replace them with a fresh lot, and so on from week to week. Some will, no doubt, dub you a "Cheap Jack" if you adopt this system, but never mind that. The introduction of something new will often not only affect the sale of it, but be an introduction to something else. Kuowing that you keep the run of novelties people will frequently ask if you keep so and so. The result will often be a good order, whereas had you no novelty to introduce your customer would have left the shop and placed his order elsewhere. A full and well assorted stock will often induce customers to buy what they did not come in for. Let it be known that you are the man who can and will do the thing right, and that they can depend upon getting what they want at your shop.

Keep a kind of revolving show at your door. By this I mean have a complete change outside your door every Monday morning. In this way you will in turn show most if not all your stock that will admit of exposure. Some ironmongers seem to have a way of sticking at their door the same goods week after week, regardless of seasons. These goods become that dirty that they are not only unfit to be seen, but in many cases unsaleable. Far better show nothing at all, as people get the impression that both yourself and goods, as well in the shop as at the door, are a dirty lot. Change your show in front once a week.

Punctuality is important—open your shop to the minute. Country people rise early and often want goods, such as haymaking tools, builders' ironmongery, etc., and such people are generally in a hurry and don't like being kept waiting outside the shop; let such know that your shop is always open to time. The prompt delivery of goods sold should not be overlooked. When people buy anything they generally like to have it at once, whether they want it for immediate use or not. Strict *personal* attention to business is absolutely necessary. Don't leave your business to others. Customers like to see the principal. Let him, therefore, be at his post. He can do what no one else can, can quote prices, right wrongs, secure orders, and, in a word, no one can quite fill his place.

Don't encourage loafers about the shop. In every town are to be found retired tradesmen, etc., who have nothing to occupy their time and are too fond of "popping in," as they say, "just to have a chat," which means when once they get a footing an endless yarn about matters you either know all about or don't wish to know. The busy ironmonger cannot afford to waste his time in this way, and the sooner he gives his friend (or shall I say enemy?) the "straight tip" the better. This can generally be done without giving offense, but, be that as it may, let it be done, but by all means in the most agreeable manner. I used to be daily pestered with one or two of these time-wasters, and when they "popped in" at the front I used to make it my business to "pop out" at the back, consequently they had only the chairs to talk to and soon gave it up.

If you are of a witty and jocular turn of mind it is safe to crack jokes with some customers freely, but it must be done wisely. If you watch your customers you will almost infallibly know where and when to let the joke come in. There are comparatively few people who do not enjoy fun, and a joke can often be used to turn away a client's anger and create an outburst of laughter, and so "calm the troubled breast."

At all times and under the most trying circumstances keep yourself under perfect control. This, you will say, is more easily said than done; granted, but it is astonishing what can be done if only the mind is bent upon doing it.

Ancient Weighing Machines.

The origin of the balance is lost in the haze of antiquity, for in some form or other, however primitive, it seems to have been known to most nations. Indeed, the use of a balance is such a primary essential in commercial affairs, that it is difficult to believe that any nation or race, with a pretense to civilization, could long exist without it. In the early times, merchants were obliged to carry a balance and set of weights about with them chiefly for weighing the bars of metal which they exchanged for goods. Thus it is clear that a standard of weights must have been agreed upon. Deceit, however, was also known and practiced, for dishonest traders carried two sets of weights: one to buy with and the other to sell with. It would appear, therefore, that a perfect Weights and Measures Act and a sound system of inspection were as much needed then as now. A thousand years B.C., King Solomon said, "A false balance is an abomination," and five hundred years before that, a Scriptural request was written, viz., "Let me be weighed in an even balance." The Jews were most probably taught the use of the balance by the Phœnicians and Assyrians. The Chinese date the origin of their balance—or steelyard—back to a prehistoric period, and as with many other things, they attempt to make the prehistoric invention serve the nineteenth century.

The cumbersome method of conveying scales, weights and bars of metal, however, was largely dispensed with by the invention of coins, whereby recognized pieces of metal became legal tender for merchandise, but even at the present day a few of our itinerant tradesmen still carry about their scales and weights—being legally compelled to do so—though not for weighing money, but goods. It is certain, then, that the manufacture of balances has always been an industry of considerable importance. To-day, the production of some balances or scales is a fine art, since they are so delicately constructed as to turn with a weight invisible to the unaided eye, the intrusion of a speck of dust at the time the scale is used being regarded as a matter of concern.

A new apparatus for the extraction of teeth by electricity consists in an induction coil of extremely fine wire, having an interrupter that can vibrate at the rate of 450 times a second. The patient sits in the traditional armchair and takes the negative electrode in his left hand and the positive in his right. At this moment the operator turns on a current whose intensity is gradually increased till it has attained the utmost limit that the patient can support. The extractor is then put in circuit and fastened on the tooth, which under the action of the vibrations is loosened at once. The operation is performed very quickly, and the patient feels no other sensation than the pricking produced in the hands and forearms by the passage of the current.

The greatest bridge in the world was planned by a Chinese engineer and built by Chinese workmen. It is of stone, and reaches across an arm of the China sea by 300 arches. Over the pillar of each arch reclines a lion carved from a block of marble 21 feet long. The roadway is 70 feet wide.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

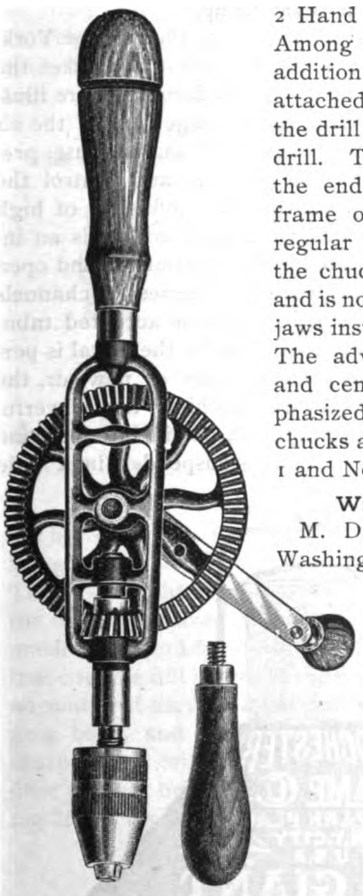
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Millers Falls Hand Drill No. 2.

Millers Falls Co., No. 93 Reade Street, New York and Millers Falls, Mass., have made improvements on their No. 2 Hand Drill as here illustrated. Among the improvements is the addition of an extra handle, to be attached when it is desired to use the drill in the manner of a breast drill. The handle is threaded on the end and is screwed into the frame on the side opposite the regular handle. The pattern of the chuck has also been changed and is now arranged to carry three jaws instead of two as heretofore. The advantage gained in holding and centering the points is emphasized by the company. Similar chucks are now used on their No. 1 and No. 5 hand drills.



Wire Broom Fly Killer.

M. D. Jones & Co., No. 368 Washington Street, Boston, Mass., are offering to the trade the Wire Broom Fly Killer, illustration of which is here given. The article is a broom made of very light wire attached to short handle by means of a metal ferrule securely pinned to the stick. The bristles are held in shape by a cord braided through, as shown in Fig. 2. The manufacturers claim that the broom kills but does not crush the fly or other insect. It cuts the air and gives the fly no warning of its approach, as is the case with a newspaper. For Hardware dealers the killers are put up one dozen in a box, and a display stand, as shown in Fig. 1, is sent free with the first order.



FIG. 1.

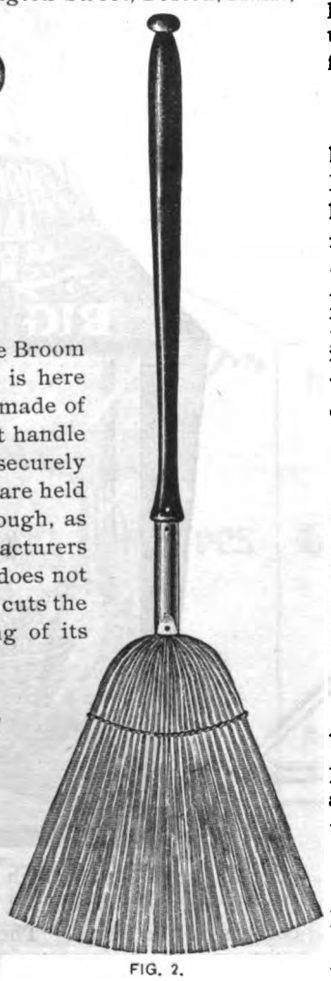
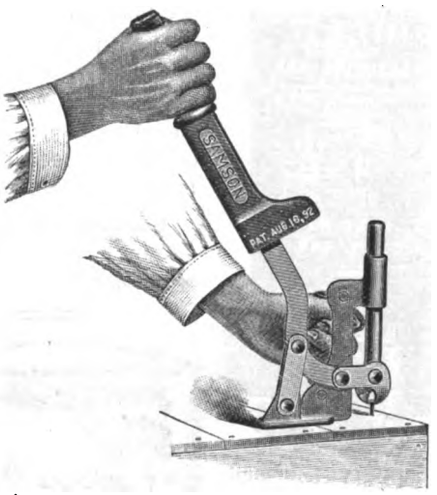


FIG. 2.

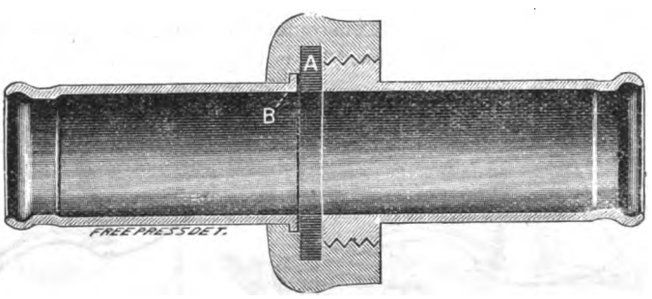
Samson Improved Nail Puller.

The Samson Mfg. Co., Hartford, Conn., are introducing an improved form of the "Samson" Nail Puller, as herewith shown. The jaws of the Puller are made of a good quality of steel to prevent them from breaking, the standard and the rammer is of malleable iron, the lever is supported by two steel links to prevent side motion and to make the tool rigid, and all parts are interchangeable. The manufacturers claim that the tool pulls nails perfectly straight; that it pulls nails that cannot be drawn with other pullers; that the hands are not bruised or fatigued when using the tool; that it is strong, durable, well made, nicely finished, and that it is reasonable in price.



Never-Leak Hose Coupling.

The accompanying illustratration represents a hose coupling offered by the Clayton & Lambert Mfg. Co., Ypsilanti, Mich. The waterway is fully ¾-inch in size and the coupling is of the double recess pattern. One recess holds the rubber washer in place, to prevent its dropping out and becoming lost. The other recess lets the flange of the tail piece on the female end of the coupling drop below the level of the base of the recess in which the washer fits. It is explained that the advantages of this construction are that when the swivel is screwed up on the male end or sill cock the male end comes to a seat on the washer and on the base of the washer recess, and not on the flange of the tail piece, thus forming an easy working swivel. The couplers are fitted with rubber washers and are warranted by the makers to be free from sand holes.



The Eureka Self-Measuring Oil Tank.

J. R. West, Gas City, Ind., has brought out a new Self-Measuring Oil Tank, illustration of which is here shown. "The oil is pumped into a reservoir above the tank, which holds five gallons. A gauge in the reservoir, worked by a float, indicates the exact amount of oil inside, from one pint to five gallons. The oil is then transferred to the can

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or vessel waiting for it by means of a faucet. By the use of our tank, five gallons of oil can be drawn and placed in a can in less than a minute and a half without soiling the hands or slopping the oil. There are no strokes of the pump to count, but the exact amount is registered on the indicator, whereby it can be plainly seen at all times just what amount is being drawn. The tank is made of the best galvanized iron, and each is thoroughly tested before leaving the factory. The pump of the floor tank is detachable so it may be used to pump the oil from the barrel to the tank." Floor tanks are made to hold 60, 110 and 165 gallons.



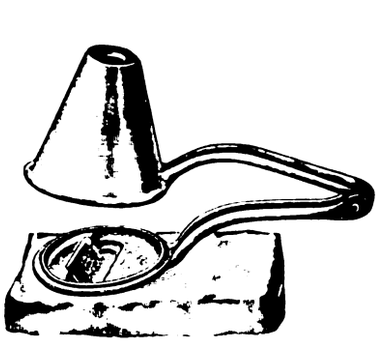
Sanitary Garbage Can.

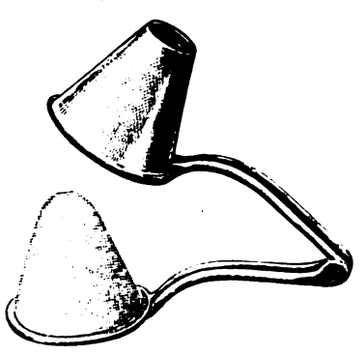
Sidney Shepard & Co., Buffalo, N. Y., are introducing the Sanitary Garbage Can herewith shown. The Can disinfects automatically from the cover, the disinfectant being poured into the cover from the bottom, and when the cover is placed on the Can the disinfectant commences to drip. It is stated that any disinfectant may be used; that it does not spill when the cover is removed; that one filling lasts a long time, and that the disinfectant may be used at a cost of five cents a month or less. The Can is designed to keep garbage sweet and to prevent fever germs, foul odors, sour cans, poisoned air and the spreading of disease by flies. The makers claim that the device sells at a small advance over the ordinary can.

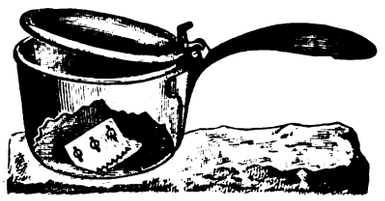


The Enterprise Ice Shredder.

The Enterprise Ice Shredder, illustrated herewith, is an article which has met with a very ready sale wherever it has been introduced. All live Hardware dealers will serve the best interests of their customers by being in a position to supply them. The Shredder is very inexpensive, and its use will be appreciated in shaving ice for fruits, fancy drinks, oysters and clams on the half shell, olives, celery, iced tea, radishes, sliced tomatoes, and for many purposes in the sick room. It is being used largely by street vendors in Philadelphia, Baltimore and Washington for making "Snow Balls," which are variously flavored and sold to the children in the streets. These vendors make from $3 to $5 per day. The Hardware merchants in different sections will be well repaid for any trouble they may experience in introducing them for this purpose, by the large number sold. The manufacturers, the Enterprise Mfg. Co., of Philadelphia, Pa., have lately gotten out a very handsome







"Snow Ball" banner which they will be pleased to mail to all applying for them.

Rochester Giant Lamp.

The Rochester Lamp Co., No. 42 Park Place, New York, have perfected and are now placing on the market the Rochester Giant Lamp in an improved form, as here illustrated. One of its features is the arrangement of the air supply and vents. Intended largely for outdoor use, precautions have been taken to so regulate and control the air supply as to make it free from the influence of high winds or any swinging motion. In each corner is an interior tapering tube, perforated at the top outside and open at the bottom inside. This provides a series of channels for properly distributing currents of air on accepted tubular principles. At the bottom on all sides the metal is perforated freely to admit copious supplies of new air, the force of which, however, before reaching the powerful flame, is broken by first striking the solid interior wind guards. As made now, the fount is suspended in a wide circular metal band, which fits under the projecting rim of the oil pot and is sustained by four wire rods riveted to the corners of the frame. The bottom of the frame is glass, while the sloping roof or dome is lined with corrugated metal reflectors which prevent any under shadows. The vent at the top consists of two perforated metal cylinders or cones, causing a check on the upward current. Underneath



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the cap is an asbestos lining to prevent overheating the metal and injuring the paint. There are no soldered joints, it is said, every connection being riveted.

Red Cross Polishing Mitten.

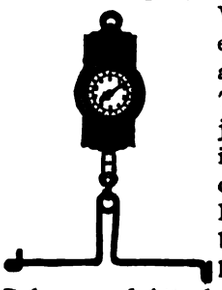
Among the numerous novelties turned out by Arlington U. Betts & Co., Toledo, Ohio, is the Red Cross Polishing Mitten here illustrated. It is made from a fine piece of



chamois skin, coated on one side with a sufficient amount of polishing material to last a whole season. The manufacturers state that it does not need moistening, doing away entirely with the powder and liquid polishes; is always ready for use and quickly rolled up and placed in the tool bag. Price, per dozen, $3.

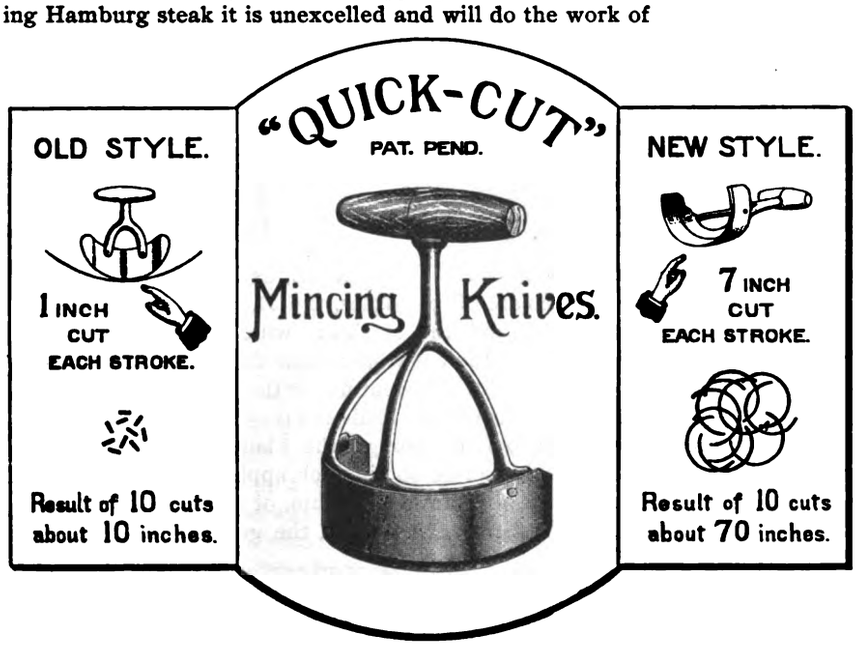
Bicycle Weighing Attachment.

The accompanying illustration represents a Balance and Weighing Attachment offered by Landers, Frary & Clark, New Britain, Conn., and No. 298 Broadway, New York. The attachment is made of heavy japanned wire, bent as shown in the illustration. The spring balance with a dial face weighs 30 pounds by ounces. In use the bicycle to be weighed is hung by the upper bar of the frame on the hooked ends of the Attachment. The Balance and Attachment are sold complete at $3 each.



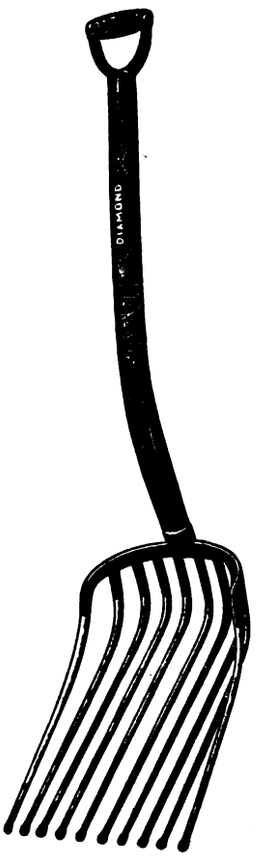
"Quick Cut" Mincing Knife.

The Gibbs Mfg. Co., Canton, Ohio, are introducing something new in the Mincing Knife line called the "Quick Cut." They claim that the new knife "does six times the work of the old style knives, and owing to the curved blade does it much easier and far better. It is the only Mincing Knife that cuts the full length of the blade, (7 inches) every stroke, no matter if used on a flat board or in the ordinary chopping bowl, and not clog. It is quickly cleaned, easy to sharpen and will tender beefsteak better by cutting the fibre and not bruising it. For chopping raw meat in making Hamburg steak it is unexcelled and will do the work of a rotary chopping machine for family use in less time than it can be set up, operated and cleaned; besides it does not mash but cuts the meat, thereby retaining all the juices, making the meat more palatable and nutritious. Every blade is made of fine crucible steel, scientifically ground to hold a lasting edge."



New Potato Scoop Fork.

The Ashtabula Tool Co., Ashtabula, Ohio, never introduce a new article until they feel that there is a need for it, and then endeavor to make the article so well that it will amply supply that need. Their new Potato Scoop Fork here shown, may therefore make sure of a successful welcome at the hands of dealers and users. It is just the shape of a steel or wire scoop, strong and light; has ten tines, is of a flat oval shape, and flattened points, and is warranted not to bruise vegetables. It is quite different from their old pattern. Full details as to prices, etc., can be obtained by application to the manufacturers.



Adams Diamond Vise.

The Adams Co., Dubuque, Iowa, are offering the vise shown in the accompanying illustrations. The Vise is made with a movable jaw so to extend and take in 12 inches. The small or rear jaw is held in place by a flat steel spring which forces the engagement of the ratchet. To change the jaw it is necessary to bear down on the jaw at the top of the face of the Vise, when the jaw may be slid back. It is remarked that the Vise is well adapted for riveting, as the small jaw can be set back, the piece riveted resting on the face of the anvil. The face is chill-hardened, ground and polished, 3½x7 inches in size, and is heavy enough it is stated, to stand all work usually done in a first-class blacksmith shop. All but the polished parts of the Vise are well painted. In Fig. 2, the Vise is shown with drill attachment, the drill head being formed to fit the movable jaw, and slides on from the side and is held securely by the groove into which it fits. The back rest for the drill slides over the anvil and is held in position by the ratchet in the same manner as the rear jaw of the Vise, but without any spring. The drill feed is controlled by the screw that operates the front jaw, being drawn out to the proper distance to accommodate the work before starting the drill. The manufacturers state the machine will drill holes up to ¼ inch, that



FIG. 1.

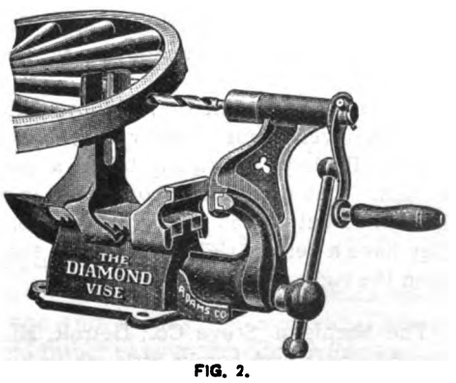


FIG. 2.

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they will not send out a poor article, and that it is not to be compared with some some farmers' vise which have been on the market. Each Vise and each drill attachment is packed in a separate box, so as to reach the dealer in good condition.

Bridgeport Gets the Premier Plum.

The Premier Cycle Mfg. Co., whose 1895 wheels have been built for them at one of the largest and most complete factories in this country, will remove from New York City to Bridgeport, Conn., about August 15th, where they have purchased the magnificent site and factory of the Bridgeport Power Co., and will at once instal a plant for the manufacture of Helical Tube Premier bicycles that will enable them to turn out 18,000 machines next year. In selecting this plant, President J. H. Johnson has ordered only the best and most accurate machinery and tools obtainable, regardless of cost; Brown & Sharpe, Pratt & Whitney, and the Garvin Machine Co. supplying all the special cycle making machines which will guarantee absolute accuracy in fitting and finish.

The Premier Co. will use nothing but the finest and most expensive materials obtainable in the construction of their 1896 models, and this, in conjunction with their famous Helical Tubing, will keep their wheels in the Premier rank as the name indicates. The Premier Co. will not increase the weights of its 1896 models over those of 1895. Roadsters will scale from 19 to 21 pounds; ladies' wheels the same and racers at 16 to 18 pounds. A number of valuable improvements will be adopted, including a new tire made on a novel principle which assures extraordinary strength of fabric with the least thickness. New designs in hubs and crank bracket, a reduced tread, larger tubing of lighter gauge and unbreakable wood rims will be other features.

Helical Tubing is manufactured under United States Letters Patent No. 538,164, dated April 23, 1895, of which the Premier Cycle Mfg. Co. are the owners. Its advantages are well known, and it has been eagerly sought by other leading manufacturers, but the policy of the company is to retain it for Premiers exclusively. The company own other valuable patents, have a large and rapidly increasing list of agencies, among which is the Western Premier Cycle Co., of San Francisco, and starts in as an American cycle building concern with success definitely assured.

Increase of Wages.

The wages of the employees of the Eastern Tin-Ware Co., Portland, Conn., have recently been increased $1 a week.

The Lamson & Sessions Bolt Works, Cleveland, Ohio, have advanced wages 10 per cent. About four hundred men will be benefited by the change.

The Rome Stove Works, Rome, Ga., voluntarily advanced the wages of its employees 12½ per cent.

The Buckeye Churn Co., Sidney, Ohio, are progressing along the even tenor of their way, demonstrating by sales that the Buckeye Churn has taken a great hold upon the market. The principle of concussion in relation to the production of butter has pretty well demonstrated itself, and they have a perfect right to feel that the Buckeye is built upon the right principle.

The Michigan Stove Co., Detroit, Mich., is sending its friends a neat and handy little whisk-broom holder. It is made of tin and tastefully colored yellow and gold. On the front of the holder appears the well known trade mark —"Garland" stoves and ranges.

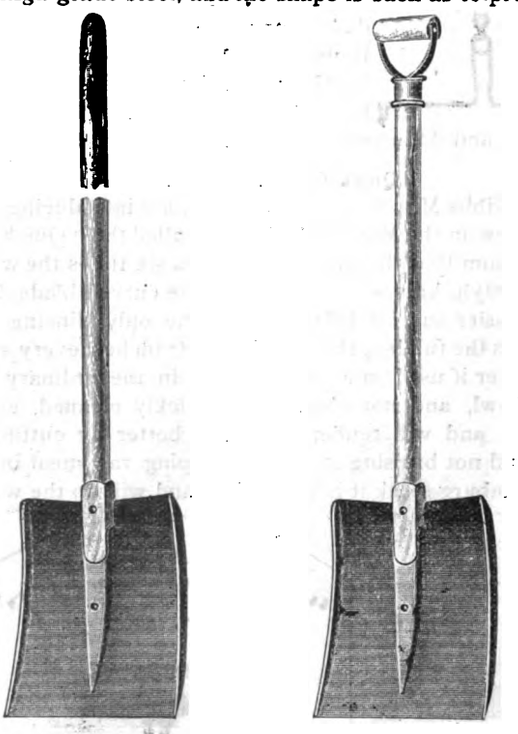
An offer of $5000 in prizes has been made by a Chicago paper for a race from Chicago to Milwaukee, between motor-driven vehicles.

The Champion Wheelbarrows.

The Bryan Mfg. Co., Bryan, Ohio, upon page 47, present an illustration of one of their famous Champion Barrows, with some suggestions, which it will be well worth the while of any Hardwareman to carefully note. The points they make that dealers in wheelbarrows should have goods with a reputation, and those that are fully abreast of the times, are well taken. This company have won their present high position among the manufacturers of America by making first-class goods, and also making good any claim which they may advance. The Champion Barrows are known all over the country for their possession of many practical points, which make them light, strong, compact and reliable. The company will be pleased to send catalogues and prices, with full descriptions, to any who may be interested in this line of goods. Their products have won their way in the market by their own merits, and dealers who have handled them have demonstrated the truth of the statement that first-class goods are always the cheapest.

"Perfection" Steel Snow Shovel.

We show herewith illustrations of the "Perfection" Steel Snow Shovel (patented) manufactured by the Avery Stamping Co., Cleveland, Ohio. These shovels are made from heavy high grade steel, and the shape is such as to produce



a stiff, strong and reliable shovel, as well as a light one. The handles are of two styles, the D, which is two feet six inches long, and the straight, which is three feet six inches. While the cut would show the longer handle to be perfectly straight, it is bent under the blade, as in the coal shovel. The size of the blade is 14x15 inches. The handles are strongly bolted through the blades, and cannot work loose. Prices can be obtained on application to the Avery Stamping Co., of Cleveland, Ohio, or to W. W. Ferry, No. 88 Chambers Street, New York, the general Eastern agent.

A novelty that attracted the attention of farmers generally at one of England's recent agricultural shows was a portable pig cot. This article is constructed of corrugated steel which makes it very strong. It is of a circular form, a feature which gives it strong claims to portability, as it can be turned over on its side and rolled as easily as a barrel. The floor is of timber, supported on joists, and the ventilation can easily be regulated; its capacity is surprising. It is also suitable for lambs, dogs or poultry.

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GAS AND OIL ENGINES.

As a motive power for domestic and light industrial purposes, gas and petroleum engines have no doubt a great future before them; indeed, the popularity which has been accorded these motors during recent years, though not by any means undeserved, has been remarkable. The gas engine was the first to make its appearance, and during the twenty years past has aptly demonstrated the fact that it is a durable, efficient and reliable motor. The oil engine is a later production of a fertile brain and has been a natural outcome of the success of the gas engine, as an oil engine is merely a gas engine fitted with an oil vaporizing apparatus. As a motor, the gas engine possesses several features of distinct advantage over the steam engine, and to small users of power these advantages are such as to appeal very strongly. Take as an example, a gas engine is ready to be started at any moment; there is no boiler fire to light nor steam to be gotten up, and for intermittent work, when the engine is at rest, there are practically no expenses being incurred, whereas with the steam engine the boiler fire has to be kept alight all the time. The absence of a boiler does away with the risk of a disastrous explosion, considerably lessens the chances of fire and enables space to be economized. In the care of an unskilled attendant the steam engine with its boiler becomes a menace, while with the gas engine this consideration practically does not exist, and not only is this the case, but the gas engine when once started will run for hours without attention. Contrast this with the coal eating monster which requires constant looking after to regulate the water and fuel supply, and to see that the water level does not get too low or the steam pressure too high, and one can readily see why the demand for good gas engines has increased so wonderfully. The above will apply with as much to force oil engines, but the latter has the additional advantage of being self-contained, and is therefore suitable for isolated places where a supply of gas cannot be obtained. It is true, that gas producing plants are made for use with gas engines in out-of-the-way places, but these are more especially intended for large power plants, and consequently will not be considered by us. The greatest field of usefulness for gas engines is in towns, and for oil engines in the country for farm purposes and uses where isolated or portable power is made necessary.

Robert Street in 1794 invented the first gas engine of which any record exists, but it was not till 1860 that a gas engine with a commercial value was introduced. The credit of this introduction belongs to Mr. Lenoir, the engine being a really practical one, and a number of them were manufactured and put into use. This engine resembled in some points of construction and appearance the horizontal steam engine. The piston advanced through a part of its stroke, and drew in a charge of gas and air until a certain point was reached. The valves were then closed, an electric spark exploded the charge, and the piston was driven to the end of its stroke, the exhaust taking place on the return stroke, as in a steam engine. The principal drawback to this engine was the enormous consumption of gas in proportion to the amount of work accomplished.

In 1876 a new engine was brought out, it being invented by Messrs. Otto and Langen. The following will give an idea of the working and construction of this engine: A vertical cylinder open at the top contained a piston, the piston rod extending upwards. The end of the piston rod was formed in the shape of a toothed rack, which worked in a clutch on the fly-wheel shaft. The fly-wheel being slightly turned round, the piston was thereby lifted, and a charge of gas and air drawn in through a valve. The valve was then closed, and the charge fired. The explosion drove the piston to the top of its stroke without, however, driving the fly-wheel, as the clutch was so arranged as to only impart movement to the shaft on the downward stroke of the piston. The piston rose in the cylinder until brought to rest by the action of gravity and atmospheric pressure. The rapid expansion of the gases inside the cylinder, and the cooling by the water jacket, had meanwhile caused the pressure under the piston to fall below that of the atmosphere. Then, when the piston commenced its downward stroke, by reason of its own weight and the external pressure of the atmosphere, it imparted a turning effort to the fly-wheel shaft. More than 5000 of these engines were sold in ten years, so it may be considered as fairly successful. Not till 1876 was the commercial prosperity of the gas engine assured, and this was due to the invention of Doctor Otto of the justly celebrated "Otto" silent gas engine. The important feature of the "Otto" engine is the cycle of operation, or, in other words, the order in which the various operations connected with the admission, explosion and exhaust of the charge are performed. The "Otto" engine is a single-acting engine; that is, instead of pressure being exerted on both sides of the piston as in a steam engine of the ordinary kind, pressure is exerted on one side only, the side farthest from the crank, the other side of the piston being open to the atmosphere. The series of operations known as the "Otto" cycle is as follows: The piston moves forward, and, the admission valves being open, draws in a charge of gas and air; on the return stroke the valves are closed and the explosive mixture compressed. At the moment the return stroke is completed, and the gases thereby compressed to the maximum pressure, ignition takes place, and the piston receives a powerful impulse forward by reason of the explosion. This forward stroke being completed, the piston returns again, and in so doing drives out the exploded gases through the exhaust valve. It is plainly seen from this that the engine receives an impulse once in every four strokes; that is, once in every two revolutions. The compression of the gases prior to ignition was the secret to the marked decrease of expense in the "Otto" engine over its predecessors. Other inventors had appreciated the importance of this compression, but the "Otto" engine was the first in which the idea was carried out in a thoroughly practical manner. Patents were taken out by several inventors in this field of construction as far back as 1860 for engines in which a compression cycle was adopted, and Beau de Rochas fully described the cycle of four operations just explained, in a pamphlet dated 1862. On account of this it is called by some writers the "Beau de Rochas" cycle, but it is more intimately associated with the name of Doctor Otto, and more generally styled by that name. During the protection obtained by letters patent in England, Crossley Bros. had the sole right to manufacture these engines in the United Kingdom, and by various improvements they brought the "Otto" engine to a high state of perfection for small power purposes.

The success of the "Otto" engine under the Crossley monopoly did not one whit dismay the competing manufacturers, but seemed rather to spur them to renewed exertions, and as a result several useful and ingenious engines were put on the market during the reign of the "Otto." One of the first of these, and one which recommended itself to small power users, was the "Bisschop" engine, invented and improved by Alexis de Bisschop during the years 1870–1874. A well-known English firm undertook the manufacture of the new engine. The "Bisschop" was of the ver-

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tical type, the piston for about one-third of its upward stroke drew in a charge of gas and air. The mixture was then exploded and drove the piston to the end of its stroke. On the downward stroke the exhaust valve was open and the exploded mixture expelled. In this engine the compression plan was not adopted, and the engine received an impulse every alternate stroke. Several other engines different from the "Otto" in their mode of working were introduced successfully, the most important of these, the Campbell, the Stockport and the Griffin, we will give full particulars of in a later article.

The Household Garbage Carbonizer.

The Sanitary Construction Co., Boston, Mass., and No. 58 Pine Street, New York, are offering to the trade the Household Garbage Carbonizer. The manufacturers state that "it is a practical, simple and inexpensive device for the immediate disposal of kitchen garbage in a cleanly, healthful and convenient manner." The process consists in drying and carbonizing the garbage—turning it into charcoal that will burn without noxious odors and add heat to the stove, or may be used to start a new fire, supplying the place of other kindling, and is accomplished without interfering in the least with the draft or the regular work of the range, with no loss of room for space occupied by the Carbonizer and no extra fuel. The Carbonizer is placed in the stove-pipe between the stove and the flue of the chimney and becomes a permanent fixture of the range. It consists of a horizontal cylinder about one-third larger in diameter than the stove-pipe in which it is to be placed. One end of the cylinder is removable and attached thereto, on the inside is a semi-circular pan or scoop perforated along both sides and having solid ends and a tight bottom. The pan is sufficiently smaller in diameter than the cylinder to admit of its being easily withdrawn and to give a free passage to the smoke and heat from the stove, around it and through the perforated sides. When it is desired to use the Carbonizer, the pan or scoop is withdrawn by means of a handle, the refuse from vegetables that have been prepared for cooking or the waste from the dining-table placed in it, and the pan replaced in the cylinder. The heat from the fire coming in contact with the Carbonizer and the garbage in it, quickly drives off the water and after a short time the effect of evaporation is such as to turn the matter into charcoal. This without any attention whatever being given it and without any offensive odor. The carbonized waste, now in the form of charcoal, may be put upon the fire and utilized as fuel, burning with a clear hot flame, or after being left over night, may be used for kindling the morning fire in place of wood or shavings. The natural draft up the chimney prevents the escape of any odor into the room, and there is no odor from the chimney as the gases from the stove thoroughly deodorize the gases escaping from the drying garbage. It is further stated that this new contrivance has received the unqualified endorsement of various health departments. W. F. Morse & Co., Nos. 56 and 58 Pine Street, New York, are the general agents.

Yale "Stylo-Chiselry."

We have received from the Yale & Towne Mfg. Co., Stamford, Conn., and New York, a sample of their new art —"Stylo-Chiselry." It is in the form of a brass tablet bearing the following inscription: "The Yale & Towne Mfg. Co. Stamford Conn. Is Prepared To Execute In 'Stylo-Chiselry' Orders For Metal Signs And Name-Plates, In Varied Styles, Of Any Size And Wording." The new art should become very popular if the sample may be taken as a criterion.

The Barnard & Sons shear factory, Waterbury, Conn., was damaged by fire recently to the extent of $3000.

Bissell's "Premier" Carpet Sweeper.

We illustrate herewith the latest carpet sweeper placed on the market by the Bissell Carpet Sweeper Co., Grand Rapids, Mich. The "Premier" is an entirely new carpet sweeper both in design and construction. It contains all the latest and best "Bissell" features, making it a sweeper of the highest grade. The case is both distinctive and artistic in design and is made from the very best selected cabinet woods in the latest popular finishes. The pressure bar for discharging the pans is one of the easiest and simplest ever put in a carpet sweeper. The brush bearing in this sweeper is described as "without an equal for the ease and simplicity with which the brush can be removed. An easy touch of the finger and the brush is free." These



three points, together with the automatic adjustment of the sweeper to any and all kinds of carpet, make the "Premier" one of the handsomest, as well as one of the easiest of the "Bissells." It is a sweeper that must be seen and used to be fully appreciated. It is a sweeper with a future before it. It belongs to the Bissell Co.'s line of "Excluclusive" sweepers, and any dealer who desires to secure the *exclusive* sale of a first-class sweeper in his town, should write to the manufacturers for terms and prices.

Are Now Ready.

The Ideal Mfg. Co., New Haven, Conn., announce that they are now ready to furnish No. 3 Special and No. 6 Regular tools for the new 25-36 Marlin. The bullet illustrated here, shows six grooves, and weighs 104 grains. It is said that the mixture of one part tin to about ten parts of lead, produces the best results. Perfection moulds are also made, that will enable the shooter to make heavier or lighter weight bullets, as may be desired, full description of which may be found in the Ideal Hand Book No. 6, which will be sent to all who may be interested enough to ask it of the above address.



Colors in Steel.

The only cherry-red, if there be such a color, is that heat that just begins to show in heating up, or where the color begins to disappear in cooling. At this heat no work should be done on steel; it is a critical dangerous temperature. Above this the true colors are, in ascending—orange-red, dark orange, medium orange, light orange, dark lemon, medium lemon, light lemon, or granular, or fusion. There is no true white color, unless liquid steel be overheated enormously.

Attention is called to the advertisement of the Geuder & Paeschke Mfg. Co., Milwaukee, Wis., elsewhere in our columns. The writer of the advertisement evidently knows that the Hardware and house-furnishing dealer is a busy man, who wants all the facts in a nutshell, and he therefore suggests a great deal in a very few words. Read the advertisement and follow the suggestion.

The big lock factory of the Yale & Towne Mfg. Co. in Stamford, Conn., is running full handed and full hours per day and the prospects are a good business during the summer and winter months.

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RECENT TRADE PUBLICATIONS.

We have received from the Standard Fiber Ware Co., Mankato, Minn., a colored folder, tastefully gotten up. On the front page appears the following: "If you were aware of such a ware as the 'Standard' Fiber Ware that for wear were unequalled by any ware anywhere, would you not be unwary were you to buy any ware made elsewhere than in Mankato, Minn.?" The rest of the little circular is taken up with the following: "'Say nothing, and saw wood.' This is an axiom, which in 'practical politics' signifies the quiet performance of much effective work without ostentation, and it aptly defines our policy during the past two years. Instead of endeavoring to force our goods upon a 'glutted,' and consequently reluctant market, we have been concentrating our energies upon the permanent betterment of our 'ways and means,' and in a series of successful experiments, looking to a marked increase, both in the quality and volume of our output. The results of this policy have amply justified its adoption, and we now find ourselves on the threshold of a general revival of business, prepared to furnish a vastly better line of goods than formerly, and to do this at considerably lower prices. The following are a few of the claims made for the Standard fiber ware, which we think entitle it to your careful consideration. Our pails, while larger than any other make on the market—cost no more. They are made of an especially strong fiber, wound and bound at both top and bottom with steel, are tough and elastic and will not chip at the edges nor split."

We have recently received from the Stanley Works, New Britain, Conn., and New York, their 1895 catalogue. It is a handsome volume of 158 pages bound in stiff boards of a maroon color bearing the well-known name "The Stanley Works 1895" in gold lettering. We desire to call the attention of our readers to the fact that, though the new catalogue is smaller than the old one, it is at the same time much handier, the information having been considerably condensed, which shows the spirit of progression. The frontispiece is a handsome picture of the Stanley Works in New Britain, Conn. The following announcement is made to the trade: "In presenting our Revised Catalogue and Price List we beg to call attention to its order of arrangement, which differs materially from our former catalogue. For the better convenience of our customers, we have condensed as much as possible and now show the various finishes of each kind of goods under one illustration, without regard to class number." The illustrations representing butts finished in antique brass and old copper, deserve special mention for their artistic merit.

The Tabb & Jenkins Hardware Co., Baltimore, Md., have added to the catalogue literature of 1895, a very handsome volume, devoted to their important gun and sporting goods line. It is some ten by twelve inches in size, contains sixty or more pages, and is illustrated throughout. The company do a very important business in goods of this character, and of course make a point of covering the entire field. A full page in small type is needed for the index alone. Full descriptions with prices are given in each case. Rifles of various kinds, full lines of ammunition, powder, bicycles and their accessories, gun clothing, game bags, gun implements, loading sets and tools, gun parts, reloading tools, revolvers, rods, shot, wrenches, etc., are among some of the few items enumerated. The catalogue covers the field entirely, and is neat, attractive, and full of valuable information.

The Keystone Farm Machine Works, York, Pa., have issued and distributed their catalogue and price list B. It is a neat and attractive little volume containing 90 pages and has a bright blue cover decorated with golden stars and the name of the company. The index contains the names of 53 articles of the agricultural implement line, so some idea of the variety of illustrations may be obtained. The catalogue still further contains rules of business and a cipher code to enable one to order by cable or telegram.

The Simmons Hardware Co., St. Louis, Mo., have issued a very complete catalogue on lamps. It contains 212 pages and describes and illustrates nearly every kind of lamp. In their declaration to the trade the company state that they are "the largest lamp dealers in the United States," and "carry in stock the most complete and comprehensive line of lamp goods ever collected in America."

"Patent Rapid Jack."

Alfred Field & Co., No. 93 Chambers Street, New York, are sole agents in the United States for the "Patent Rapid Jack," Combination Lift, Push and Haul Jack, Cramp and Box Spanner herewith illustrated. The agents state that this new device has been received in this country with favor and the initial invoice was speedily disposed of. Fig. 1 shows the Jack. Fig. 2 represents the Jack provided with a ratchet. These useful tools combine great power with

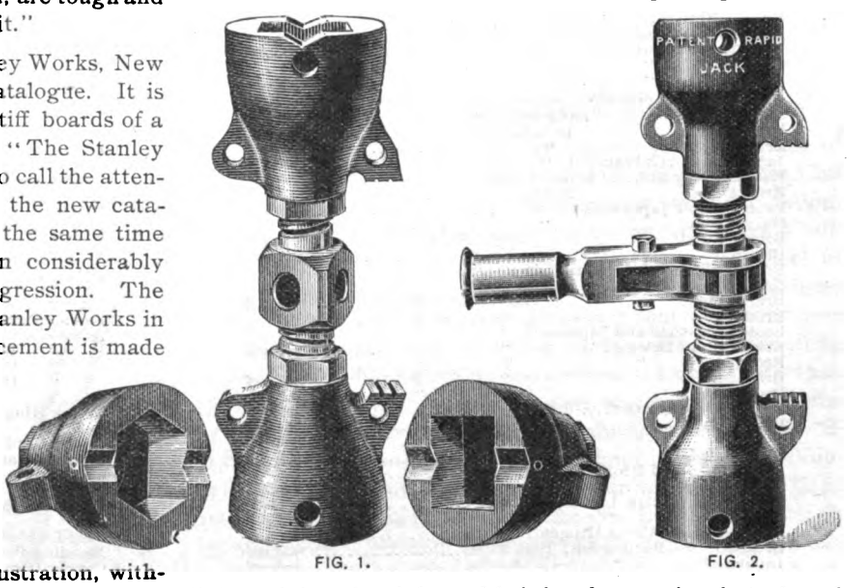


FIG. 1. FIG. 2.

light weight; the right and left hand screw is of steel, and the heads are of malleable iron; they are recommended, among other purposes, for raising, adjusting, suspending, stretching, cramping, etc. The right and left hand screw give double the ordinary speed. The heads are grooved for lifting or bending shafting. The heads form a box spanner.

E. Bissell, Son & Co., No. 12 Murray Street and No. 15 Park Place, New York, announce an unreserved sale of Granite Iron Ware, on Tuesday and Wednesday, August 20th and 21st, at 10 A.M. The sale is made by order of the St. Louis Stamping Co., and is described as a large and choice assortment. The goods will be sold in case lots and comprise a full line of tea-pots, coffee-pots, tea-kettles, dish pans, etc.

H. F. Dernell & Co., Athens, N. Y., have incorporated to manufacture ice tools and implements to be used in cutting ice; capital, $5000. Directors—Herman F. Dernell, Charles H. Eichhorn and Fred H. Eichhorn.

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The Stanley Works Discount Sheet.

We have received from the Stanley Works, New Britain, Conn., and New York, a new discount sheet under date of July 20th, with changes on Hinges, July 31st:

Ball Bearing Washers	40%
Steel Washers for Butts	40%
LOOSE PIN BUTTS.	
A 3 Finish, Figured	60%
Bronzed, Corrugated	60%
" Ball Tips	60%
" "	60&5%
" "	50, 10, 5%
Boston Finish "	60%
Japanned "	50, 10, 5%
Bright Steel "	70&10%
Bronzed Steeple Tips	60%
Boston Finish "	60%
Japanned "	50, 10, 5%
Bright Steel "	70&10%
LOOSE JOINT BUTTS.	
Plated Figured Capped Butts	66⅔%
" Plain "	66⅔%
Bronzed Ball Tips	60%
Japanned "	50, 10, 5%
Bright Steel "	70&10%
Bronzed " and Washers	60%
Boston Finish " "	60%
Japanned " "	50, 10, 5%
Bronzed Steeple Tips	60%
Japanned "	50, 10, 5%
Bright Steel "	70&10%
Bronzed " and Washers	60%
Boston Finish " "	60%
Japanned " "	50, 10, 5%
REVERSIBLE BUTTS.	
Bright Steel	70&10%
Bronzed	50%
Japanned and Galvanized	60%
Bright Steel, Improved Pin and Tips	70&10%
Bronzed Light, Ball Tips	60&5%
Japanned " "	60%
Bright Steel " "	70&10%
Bronzed and Japanned Light	50%
Bright Steel Light Narrow	70&10%
Bronzed "	50%
" " Ball Tips	60&10%
Japanned " "	60&5%
LOOSE JOINT BUTTS WITHOUT TIPS.	
Bright Steel Narrow	70&10%
Bronzed "	50%
Bright Steel	70&10%
Bronzed	50%
Boston Finish	50%
Japanned and Galvanized	60%
Bright Steel Light	70&10%
Bronzed "	50%
Japanned "	50%
Bright Steel Wardrobe	70&10%
FAST JOINT BUTTS.	
Bright Steel Broad	70&10%
Bronzed "	50%
Japanned and Galvanized "	60%
Extra Heavy Shutter without Holes	70%
Bright Steel Narrow	70&10%
Bronzed and Japanned, "	50%
Galvanized "	60
Bright Steel Light Narrow	70&10%
Bronzed "	50%
Boston Finish and Japanned "	50%
Galvanized "	60%
Bright Steel Light Inside Blind	70&10%
Bronzed " "	50%
Boston Finished and Japanned " "	50%
Bright Steel Beveled " "	70&10%
Bronzed " " "	50%
Bright Steel " "	70&10%
Bronzed "	50%
" Shutter,	50%
Bright Steel "	70&10%
" Back Flaps	70&10%
Galvanized "	60%
" and Bronzed "	55%
Table Hinges	70&10%
Bright Steel Extra Light	70&10%
Bronzed "	50%
Pew Door and Chest Hinges	70&10%
Bronzed Parliament, Bail Tips	70&10%
Japanned "	70&10%
Bright Steel "	70&10%
Bronzed " Steeple Tips	70&10%
Japanned " "	70&10%
Bright Steel " "	70&10%
" " Without Tips	70&10%
Bronzed " "	70&10%
Japanned " "	70&10%
Bright Steel Lt. " "	70&10%
Bronzed " "	70&10%
BOLTS.	
Bronzed Mortise Flush	30&10%
" Extra Heavy Flush	30%
Polished " " Bronze K. & S.	60%
Bronzed Flush,	30%
Polished " " "	60%
Bronzed Extra Heavy Flush	30%
Polished " " Plated "	60%
Bronzed Flush	30%
Polished " Plated K. & S.	60%
Bronzed Extra Heavy Flush	30%
Polished " " Brass Knobs	45%
Bronzed " "	30%
" Flush	30%
Plain " Brass Knobs	60%
Bronzed Sunk Flush	50&10%
Plain "	40%
Bronzed "	50%
Plain "	50%
Flat Spring	50%
Southern Door	20&10%
Flat Tail	40%
Canada	40%
" Bronzed	40%
Barrel Light	70&10%
" " Bronzed	50&10%
"	70&10%
" Bronzed	50&10%
" Brass	50%
Square, Light, Bronzed	75&10%
"	70%
" Extra Heavy	70%
" " Galvanized	70%
Round and Square Neck	40%
Tower	40%
Floor Plates and Staples for Square Bolts	70%
Japanned Shutter	60&7½%
Galvanized "	60&7½%
Necked "	60&7½%
Brass Knob "	40%
Lock "	40%
Shutter Bars	50&10%
Steamboat Shutter Fasts	50&10%
Sliding Door Rail	60&7½%
ORNAMENTAL HINGES, ETC.	
Wrought Brass, Corrugated	50&10%
Plated Steel, "	50&10%
" "	60%
Wrought Brass, Corrugated	60%
Wash Tray	60%
Desk Hinges	50%
" Slides	50&10%
SCREWS.	
Bronzed	65%
"	45%
Nickeled	60%
Japanned, etc	75%
STRAP AND T HINGES, ETC.	
Light Strap	75%
" Japanned	70%
" Galvanized, Iron Pins	75%
" " Brass "	70%
" Bronzed and Brass	50%
Heavy Strap Corrugated	75%
" " Japanned	70%
" " Galvanized, Iron Pins	75%
" " " Brass "	70%
" " Bronzed and Brass	50%
"	75%
" Japanned	70%
" Galvanized, Iron Pins	75%
" " Brass "	70%
Light T	75%
" Japanned	70%
" Galvanized, Iron Pins	75%
" " Brass "	70%
" Bronzed and Brass	50%
Heavy T	75%
" Japanned	70%
" Galvanized, Iron Pins	75%
" " Brass "	70%
Extra Heavy T, Corrugated	75%
" " " Japanned	70%
" " " Galvanized, Iron Pins	75%
" " " " Brass "	70%
" " " Bronzed and Brass	50%
" "	75%
" " Japanned	70%
" " Galvanized, Iron Pins	75%
" " " Brass "	70%
Hinge Hasps and Staples	75%
" Japanned	70%
" Galvanized, Iron Pins	75%
" " Brass "	70%
Long Chest	75%
" Japanned	70%
Trap Door Hinges and Hasps	70%
Hart's Patent Hinges	20%
Wells' "	20%
Bulk Shutter and Flask	30%
Rolled Plate	66⅔%
Extra Heavy Hinge Hasps	70%
Crate Hinges and Hasps	75%
" Japanned	70%
" Light	60%
Basket Trimmings	50%
Atwood's "Little Daisy" Hinges	50&10%
" Light "Double Champion" "	30%
" Fasts	50&10%
" Heavy "Double Champion" Hinges	50%
" " Hasps and Staples	10%
Trunk Hinges	40%
" Hart's Patent	30%
Trunk Card Holders	30%
Shutter Handles	60&10%
Chest "	70&10%
Tub "	70&10%
Hasps and Staples	80&10%
" " Extra Heavy	80%
Step Ladder Joints	25%
Mending Plates	50&10%
Corner Irons	50&10%
" Braces	50&10%
Wagon Stake Holders	50&10%
Washers	5½c. lb.
" for Butts	60&10%
Shelf Brackets	70%
Pulls	60%
Lifts	60%
Sash Lifts	66⅔%
"	25%
Window Springs	15%
BLIND HINGES AND FASTENINGS.	
Blind Hinges	10&5%
"	15%
McNeil's Attachment	15%
Blind Hinges	30&10%
Malleable Blind Hooks	10&5%
Blind Fasts, Wire	10%
"	15%
" Parts of	Net.
Link Belting all sizes	25%

Extra charges for special finishes: To be added to the net price of goods in Standard Light Bronze Finish.

Color.	Large Butts. No. 239, 241½, etc. 3x3 & larger.	Small Butts. No. 283, 289, 241½, 239 etc. up to 3 inch.	Door Bolts
Light Bronze, Standard	....	....	....
" and black. Figured goods.	....	....	....
Dark "	6c. pair.	50c. dozen.	6c. each
Brass	....	....	....
Copper, Red	6c. pair.	50c. dozen.	6c. each
" Antique	6c. "	50c. "	6c. "
" Oxidized, diagonally streaked.	10c. "	80c. "	10c. "
Silver, Oxidized, light	30c. "	20c. pair.	20c. "
" Dark, steel blue	6c. "	50c. dozen.	6c. "
" " light centre	30c. "	20c. pair.	20c. "
" Mottled	30c. "	20c. "	20c. "

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Old Brass, not shaded	6c. "	50c. dozen.	6c. "
Antique " shaded	10c. "	80c. "	10c. "
Hower Barff. Prices on application.			
Dead Black, electroplate.	8c. pair.	60c. dozen.	8c. each
Japanned. Listed in cata'ogue.			
" Dead black (add to net of reg. Japan)	4c. pair.	30c. dozen.	
Boston Finish	....	....	....
Olive Bronze	....	....	....
Nickel	6c. pair.	50c. dozen.	4c. each
Sand Finished Surfaces	6c. "	50c. "	6c. "
FOR ORNAMENTED SURFACES.			
Light Bronze, Standard	....	....	....
" Raised surf., Black depres'd parts	....	....	....
" " Steel blue "	6c. pair.	....	....
Copper, " " "	6c. "	....	....
Silver, " " "	30c. "	....	....
Brass, " " "	6c. "	....	....

Something About Ladders.

The Goshen Mfg. Co., Goshen, Ind., well known as the makers of the celebrated "Hercules Hay Slings and Carriers," have recently begun the manufacture of a complete line of ladders and painters' stagings. Among those deserving mention are: Boyer's Automatic Self-Locking Step Ladder; this is an entirely new invention on which patents are now pending. The leading features are a shelf even with the top of the ladder and a staple brace at the steps that prevents the ladder from coming apart, as well as acting as a brace. The ladder is made exceptionally strong and when opened for use it is self-locked in the opened position, so that it is secure from either opening or closing while in use. The shelf is automatically raised to a horizontal position in opening the ladder. Boyer's Windlass Extension Ladder is also worthy of more than passing mention, it being provided with automatic self-locking and unlocking hooks to hold it in its extended position as shown in the illustration. The company are making a reliable class of goods that will be sought for by merchants who desire to build up and sustain their reputation for handling only first-class goods. Fig. 1 of the illustrations shows Boyer's Self-Locking Step Ladder folded and in position for use. Fig. 2 represents Boyer's Windlass Extension Ladder. Fig. 3 shows the Common Extension and Single Ladder made by the company and Fig. 4 represents the Hercules Hay Sling and Carrier in use. This contrivance is too well-known to need description.

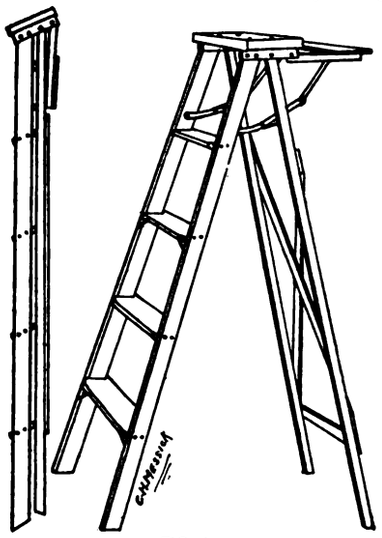


FIG. 1.

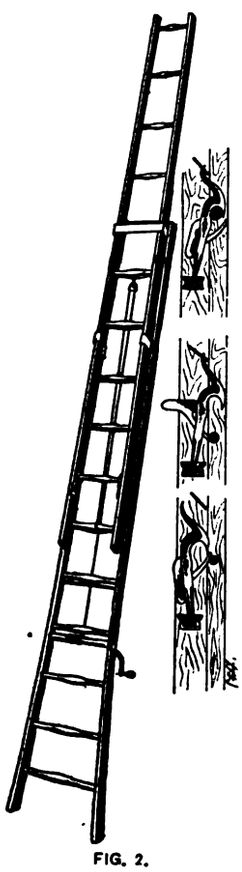


FIG. 2.

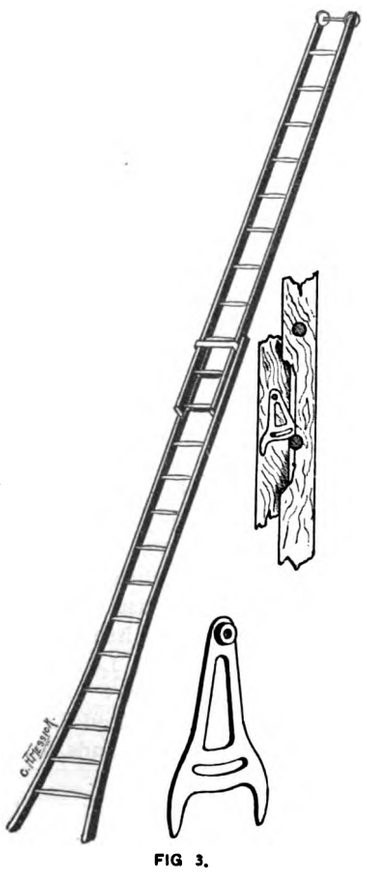
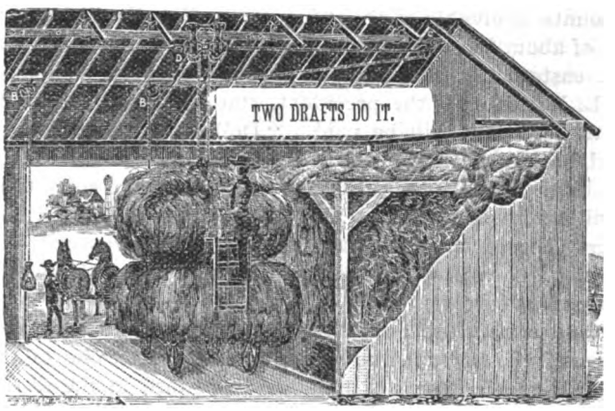


FIG 3.



F.G. 4.

Wire Men Effect a National Organization.

A meeting of a number of the largest manufacturers of wire goods in the United States met at the Gibson House, Cincinnati, Ohio, July 23d, and organized a national association. As a result of this organization, prices on wire goods will go up from 10 to 25 per cent. as that is the main object of the new association. The manufacturers say that such an advance is necessary in view of the fact that while the raw material has advanced the wire-goods people are still selling their wares at hard-time prices—prices scarcely more than the cost of making. Those present were Fred J. Meyers, of Hamilton, Ohio; F. B. Hart, of Lafayette, Ind.; W. B. Melish, H. H. Suydam and A. G. Belmer, Cincinnati, Ohio; H. A. Hildreth and W. T. Russell, Worcester, Mass.; C. L. Postelwaite, Detroit, Mich.; C. Logan, Louisville, Ky.; P. H. Wickwire, Cortland, N. Y.; Fred T. Vaux, Chicago, Ill.; Proctor Patterson, Cleveland, Ohio, and A. F. Blanchard, Detroit, Mich. The Ludlow-Saylor Wire Co., of St. Louis, Mo., Taylor, Dean & Co., of Pittsburg, Pa., and the Excelsior Wire & Iron Co., of St. Louis, Mo., are among the firms who joined the association by letter. Fred J. Meyers, of Hamilton, Ohio, was elected president, and H. H. Suydam, of Cincinnati, secretary. The headquarters of the association will be located in that city. The wire men present said that business in their line has greatly improved, and would in fact be as profitable now as before the panic if they could get back to 1891 and 1892 prices. They said that wages have been increased at many of the works. The meeting continued over Wednesday, the delegates being engaged in making a schedule of uniform prices on all classes of wire goods. Another meeting will be held at Boston, Mass., in September.

A German veterinary surgeon has discovered a method by which horse shoes can be successfully manufactured from paper. The paper is impregnated with turpentine to make it waterproof. The inventor claims that a horse wearing these shoes cannot slip on greasy roads.

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Woodrough & Hanchett Co.

The trade everywhere will learn with regret of the temporary embarrassment of the Woodrough & Hanchett Co., Chicago, who have confessed judgment on notes aggregating some $80,000. The liabilities of the company are reported at about $180,000, and the assets at $240,000. The assets consist of merchandise to the amount of $100,000 and accounts receivable of about $140,000. The liabilities consist of about $80,000 due the judgment creditors and sums due eastern houses for goods purchased by the company. R. L. Woodrough, the president, states that all the debts of the company will be paid. "Dollar for dollar will be paid," said he, "and this will not down me. I have fought the battle of life successfully up to this time and some time I will resume the fight." Mr. Woodrough is well-known all over the country as a man of probity and energy and will receive the earnest sympathy in this temporary check to a prosperous career.

A dispatch from South Norwalk, Conn., under date of August 7th, says: "The Lockwood Mfg. Co., one of the largest manufacturers of builders' Hardware in the world, applied to-day for the appointment of a receiver. The company had endorsed heavily on the paper of its Western agents, the Woodruff & Hanchett Co., wholesale dealers in Hardware of Chicago, who failed on last Friday."

The Tinkham Cycle Co.

The Tinkham Cycle Co., incorporated under the laws of New Jersey, with a capital stock of $100,000, has been organized for the manufacture and sale of bicycles and carrier tricycles, also for the exclusive sale in New York City, Long Island and the metropolitan district of the Stearns Bicycles, to succeed and to conduct on a more extensive scale the business of the former Bidwell-Tinkham Cycle Co. The officers of the new company are: Julian R. Tinkham, president: Ernest F. Walton, treasurer and general manager; Lloyd McKim Garrison, secretary. The company will retain headquarters at Nos. 306, 308, 310 West Fifty-Ninth Street, New York, and will maintain present branches at No. 20 Warren Street, New York, No. 1213 Bedford Avenue, Brooklyn, also at Newark, N. J., Newport, R. I., and Chicago, Ill.

The company are remodelling and refitting their renting and repair departments and when finished they will be among the most complete and handsome of their kind in this country. The Tinkham Carriers put out by this company are meeting with great success. Among the large firms using them in New York City are Bloomingdale Bros., H. Maillard, the chocolate manufacturer, Richard Webber, who operates an extensive retail butcher shop in the city, and many others.

George T. Moe & Co., is the name of the successors of Jones & Moe, manufacturers' agents, and have moved into a store at No. 30 N. Fourth Street, Philadelphia, Pa., where they have an excellent opportunity to show goods, and a large storage space. They carry a heavy stock for several of the leading factories of the country. They work wholly on commission, and do a very satisfactory business. Among the companies they represent are the Moon Range Co., the Rochester Lamp Co., George R. Moon, J. C. Granger, George Reichman, Eugene Munsell & Co., F. E. Kohler & Co., the Columbia Refrigerator Co., John G. Witte & Bro. and Patterson, Harral & Gray.

C. A. Benjamin, who has been manager of the L. C. Smith Tire Co., Syracuse, N. Y., since its organization, resigned his position on August 1st, to accept one with the Barnes Cycle Co., of the same city. He has been succeeded by H. W. Chapin, who is qualified in all respects to successfully fulfil the duties of the position.

Review of the Markets.

Money: Dullness characterizes the New York loan market. The expectations of a large fall trade have to no extent influenced the market. Call loans can be easily procured at 1 per cent; this naturally has no good effect on time loans which are quoted 2@2½ per cent. The bank reports of Saturday, August 31d, show an increase in both the reserve and deposits, the former increasing $4,161,000 and the latter $2,624,000. Business prospects are bright, all conditions pointing to flourishing trade in the autumn. The reported largeness of this season's corn crop is expected to more than make up for the shortness of the wheat and cotton crops. Railroad officials are showing faith in the predictions for a prosperous fall trade, by purchasing largely of new cars, locomotives and other railroad supplies. The increase in wages all over the country may also be taken as an indication of which way the tide is setting.

Hardware: August opens with the Hardware market in a satisfactory state. Jobbers and retailers generally have been laying in rather large stocks, fearing still further advances in prices; this has tended to maintain firmly the new prices to the manufacturers' entire satisfaction. The building movement seems to be on the increase, creating a demand for builders' Hardware. The recent principal advances have been in Hinges and agricultural implements. The fine crop prospects, it is thought, will influence the purchases of the country merchants in the fall.

Wire Nails: There have been no changes in the prices of Wire Nails since our previous issue, nor are any expected for some time, though it is quite probable that an advance may be made at the meeting of the Association, which is scheduled for somewhere near the end of the present month, when the September arrangements will be made. We have been told by a gentleman who, for the past twenty-seven years, has been connected with a prominent nail company of this city, that it was expected that the high prices ruling would cause a falling off in the trade, but nothing of the kind has occurred, and the market is in a flourishing condition. Quotations are as follows: For carload lots, $2.05 per keg, f. o. b., Pittsburg; less than carload lots, $2.15 per keg, f. o. b., Pittsburg. The New York price for carload lots of Wire Nails on dock is $2.20 and small lots from store $2.30. The same allowances of five cents per keg on lots of 1000 kegs and over are made.

Cut Nails: The same circumstances governing the Wire Nail trade may be said to be in effect as regards Cut Nails. The following prices are ruling: Carload lots, Pittsburg, $1.80; less than carload lots, $1.85. New York prices are: Small lots from store, $2.10; carload lots on dock, $1.95. To jobbers taking from one mill during one calendar month 500 kegs or over, 2½ cents rebate per keg is allowed, and on 1000 kegs 5 cents per keg is made. Ten cents extra will be charged for half kegs.

Hinges: On July 31st the Stanley Works, New Britain, Conn., and New York, declared a 10 per cent. advance on the prices of both Strap and T Hinges. Their full revised list with the increase of July 31st, will be found upon another page of this issue.

White Lead, Red Lead and Litharge: The following quotations are subject to change without notice: White Lead, dry or in oil, Red Lead and Litharge in kegs:—In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents.

Zinc: Values for the present are 4@4½ cents, as to quality and quantity, for jobbing parcels.

Putty: The market remains steady at $1.45@2.25, as to quantity, package and place of delivery.

Linseed Oil: Quotations are 56 cents per gallon for raw and 59 cents per gallon for boiled. Calcutta raw, 57 cents per gallon.

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The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake ₩ lb	12¼
Ansonia grade Arizona	12
" " Casting	11¼
G. M. B	11

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl.	17c. ₩ lb
Over 3½ to 5 " "	18c. ₩ lb
Square and Hexagon Rods, 1c. ₩ lb extra.	

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive	18c. ₩ lb
Over 3½ to 5 " "	19c. ₩ lb

Antimony.

Hallett's ₩ lb	8
Cookson's	9

Lead.

Foreign ₩ lb	nominal.
Domestic	3½@3¾

Spelter.

Western Spelter	4@4¼
Bertha (pure)	6¼@7

Zinc.

600 lb cask	6¼
Per lb	6¾

Tin.

Straits, Pigs	15½@15¾
Straits in Bars	17

Tin-Plate.

Coke Tins:	
I B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00.	4¼
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.15
Do. 20x28	8.30
D. R. D. grade, 14x20	4¼
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Value is a term employed to express the degree of desirability of an article, a service, or the equivalent of either. Intrinsic value is a term to express the fact that an article or service has desirability not dependent on other articles, services or agreements. Money is any medium of exchange agreed upon by common consent or by legal enactment. A unit in money is the multiple that by custom or legal enactment is expressed in estimating value. An integer of value is any whole portion which is a proportion of all values less than all. The value of gold or silver is to be judged by the degree of desirability indicated by the demand for either, expressed in units of money. As long as Government has outstanding promises to pay nearly 1000 million metal dollars of intrinsic value, and by common consent and legal enactment these paper promises circulate as money, there is only one question in national finances, and that is the good faith of the people as shown in the maintenance of reserves. Straws.—There are only 52 millions of silver dollars in circulation, and there are 371 million coined and in the Treasury. The issue of gold certificates has been resumed. The exports of merchandise, year ending June 30th, were $731,960,319, or $75,732,942 more than imports. Immigration, 276,136 persons, or 35,476 less than in 1893-4. There are 418,676 miles railway in the world, of which North America has 201,625; South and Central America, 23,957 miles; Europe, 148,230; Asia, 24,102; Africa, 7695; Australia, 13,067. World's railway capitalization is about $33,976,589,087. The Government gives average capitalization of United States railway capitalization as $62,951 per mile, against $97,099 in Germany, $94,751 in Austria-Hungary, $224,082 in United Kingdom, $130,459 in France, $89,234 in Russia, and $47,744 average for the world's total mileage."

THE PHILADELPHIA TRADE.

July and January are usually the months most dreaded by the Hardware jobber, as in January the new year monopolizes attention, compelling settlements of all kinds, inventories of stocks, overhauling of prices and general renovating. July, on the other hand, is a midsummer month when vacations are the rule, orders are few and far between, and the few men who are left at home are kept very busy in the heat doing the work of the fortunate ones who are at the seashore or the mountains. Usually the July sales are decidedly slim, so this work does not fall heavily on those at home, but it is pleasant to report that this year has been a decided exception to the rule, and jobbers are able to report the largest sales of any July for years. It is difficult to always see whence this improvement comes, but apparently it is quite general, and there seems to be a growing belief that we are now on the eve of better times. Prices are still on the upward turn, and some lines which have so far remained steady, are now falling in the line and joining in the upward procession, while we understand that advances all along the line are in contemplation on many kinds of shelf Hardware.

It is a curious fact that this advancing market is a new experience to many men now in business. For sixteen years—ever since 1879—there has been a declining market, and many men who are now in control of large business houses, have never seen an advancing market, and do not know what it is. Under such circumstances it is natural that having seen a declining market throughout all their business experience, they should look with suspicion and incredulity upon the recent advances. Their disbelief, however, is rapidly melting away, and the conviction is becoming general that the average of prices is to be higher, and even the doubters are glad to welcome the change.

During the past two weeks almost all the changes have been in the direction of higher prices, and among the goods that have advanced may be named rope, fodder yarn, cow bells, wire clothes lines, shoe lasts, wire, etc. The one exception to this rule has been in double-pointed tacks, which are somewhat weaker, the combination having decided to lower the price. As this was purely an arbitrary price, the change has long been anticipated and excites little remark.

BIDDLE HARDWARE CO.

THE CLEVELAND TRADE.

There is nothing particularly new to report in this market. The outlook still continues good for fall trade, and prices are well maintained. July is notorious as being a month, in which if any weakness is to develop, it will be shown. We have reached August without any indications of weakness, and it is therefore to be supposed that prices now in force will be maintained through the fall.

The demand has not been very large, but it has been healthy, and much better than for the corresponding month of last year. We very much prefer to see the improvement come in this way, rather than in an enormous increase which cannot possibly be maintained.

THE MCINTOSH-HUNTINGTON CO.

THE DAVENPORT TRADE.

The new Nail card and the quotations of so much for extras, above base, plus fifty cents, is very confusing and unsatisfactory; the base price of Nails has always meant and has been understood to mean, the price of the largest Nails or the cheapest Nails on the list, but now the base price means fifty cents less than the price of the larger Nails, or of any size Nails on the card; and we can see no good reason for this new departure.

A new list on Farming Tools, usually referred to as steel goods, was issued on the first of August, and instead of one uniform discount on this line, there are now many, and this radical change will probably result in forcing the jobbers to make net prices on each article on the list; on the whole, there is a large net advance.

The Weir Plow Co., of Monmouth, Ill., will move to the Tri-city, locating in Moline, Ill. The arrangements for buildings have been completed, the plans including three large buildings, two of them 80x800 feet and one 80x600 feet. This mammoth establishment will possess all of the modern improvements, including electric lights and compressed air for heating purposes; the railroad track system will be arranged so that twenty-four cars can be loaded at the same time. They employ 500 workmen, and this alone will increase the population of this neighborhood at least four thousand.

Strap and T Hinges, Iron Bench Screws, Malleable Iron, Block Coil Chain, Iron Measures, Rope, Crowbars, Screw and Strap Hinges, Wood Choppers Wedges, Lane's Barn Door Hangers and Track, together with many other goods, have advanced.

The price of Barb Wire has not advanced in proportion to other goods; we understand there is a strong prospect of a permanent organization being formed which will

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probably cause higher prices in the near future. It is intimated that the price of Wire Nails, for September, will be twenty-five cents per keg higher. The weather could not be improved upon for the convenience of the farmers in securing their abundant harvest, or for the personal comfort of all. Sealed proposals for building the new government bridge across the Mississippi River here, will be opened in a few days. Trade is unusually good for this season of the year. Collections are not what they should be, and it is just possible that many are buying in excess of their means to secure goods for future wants on account of anticipated advances.

Sickels, Preston & Nutting Co.

THE MINNEAPOLIS TRADE.

There is a better feeling, the jobbers particularly being quite busy. While retail business is not very good, still about what is expected during mid-summer. There is a good prospect of there being considerable building locally this fall. It is pretty safe to say that the crops will be exceedingly good with prospect of fair prices. Everyone is pleased with the recent advances in prices, as it shows the general improvement that certainly will be of benefit to all. Prices have been too low. Everyone with a stock of goods has suffered very material loss from season to season. There is some satisfaction in seeing a quantity of Nails, for instance, go out, on which there is a round margin of profit on account of the advance. Labor as a rule is quite well employed in this section. At present a great many men have gone to the harvest fields. While we do not look for a boom, it certainly does seem that we are quite likely to have much better times here for some months to come than we have had for the past two years.

W. K. Morison & Co.

THE BALTIMORE TRADE.

Business continues to improve. Orders are coming in freely from all of the Southern territory, and in quantities more satisfactory than for any period within the past eighteen months. Higher prices have no doubt stimulated many to buy early, but there seems to be little of a speculative nature connected with their purchases. The lines now selling are such as the retailer will soon have a demand for, although staples are coming in for a fair share of attention.

The gun and gun clothing business this year has started off very auspiciously. Last year the tariff struggle acted as a check on many purchasers. That feature is absent this season, with a consequent result of a much better prospect ahead. Ammunition still continues in its old position of last season. It heads the list of non-profit bearing commodities, though why this should be remains a mystery.

In general, Hardware advances are of daily (no! hourly) occurrence. The most marked advance, perhaps, was that brought about by the Cradle and Snath manufacturers last week. New list—new discount! A sort of "double ring bush-whacker"! Let the good work go on!

The Tabb & Jenkins Hardware Co.

Ladd's Discount Book.

William J. Ladd, who is well-known as the author and publisher of Ladd's Discount Book, has issued a statement to the trade in which he says that with "the prospect before us of probable changes in prices, and the necessity of new lists and discounts, it will be well to consider the fact that the trade will be benefited if all manufacturers make their list prices, when more than two figures are used, terminate with a cipher as far as practicable. Some of our largest manufacturers have adopted this as a rule and are thus enabled to use Ladd's Discount Book to greater advantage. List prices ending with o (when more than two figures are needed) save work, and work takes time, and time means money. An illustration at 60, 10, 10, 7½ & 2%: $5.80, a good list, nets $1.70; $5.75, a poor list, nets $1.69. The difference in the net is very slight; the difference in convenience is considerable, whether figured out the old way or obtained by Ladd's Discount Book without figuring. The distribution of Ladd's Discount Book is so extensive and its adoption so general that the users thereof ought to be considered in making list prices. Manufacturers will also find it a great convenience to consult the book in formulating new discounts, and all the trade, not only in the United States and Canada, but also in countries to which American manufactures are exported, will be benefited thereby. Where American money is not used and among people not familiar with our high lists and combination discounts, Ladd's Discount Book has proved invaluable, so that to-day this book is being constantly referred to, not only in America, but in almost all the countries of the world."

The best coating for iron pipes that can stand the heat at 250 degrees or more is made with good asphalt lacquer laid on thinly. In order to tint the coating an oxide in pulverized form, of any metal is added—as an example, if good zinc or white tin is mixed with the asphalt the result is a shade of gray, while red lead gives a brownish tint. If the asphalt is laid on thinly, and "tin bronze" is lightly dusted over it, the coating will be of a very attractive shade.

The rolling mills of the National Saw Co., Middletown, N. Y., started up on Monday, August 5th, with a full complement of hands. This plant has been idle for two years. It was found absolutely necessary to start work at the mills on account of the increase in business and the large number of orders booked.

IMPORTANT AUCTION NOTICE.

E. BISSELL, SON & CO.,

AUCTIONEERS,

Tuesday and Wednesday, August 20th and 21st,

AT 10 O'CLOCK A.M., AT

No. 12 Murray Street and 15 Park Place, New York.

BY ORDER OF

THE ST. LOUIS STAMPING CO.

Large Special and Unreserved Sale of Several Car Loads of

GRANITE IRON WARE,

Seconds,

On Sixty days' time for approved paper.

St. Louis Stamping Co.'s Granite Ware

Is **well-known** and has a **standard reputation,** and these goods, though sold as seconds are as **serviceable for general use as the selected Ware.** The goods will be sold in **case lots,** are in store, ready for **immediate delivery,** and will comprise a **full assortment** of Tea and Coffee-pots, Tea-kettles, Dish Pans, Lipped Sauce, Convex and Berlin Sauce Pans and Pots, Milk and Pudding Pans, Wash Basins, Preserving Kettles, Pails, Fry Pans, Dippers, Rice Boilers, etc., etc. Also about

800 CASES

ASSORTED GRANITE WARE

BY THE CASE.

The ENTIRE CATALOGUE with duplicates will be sold without reserve in quantities to suit the

JOBBING AND RETAIL TRADE.

Buyers of Enameled Ware should not fail to be present, as the sale will be worthy their attention.

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My dear, dear Lord,
The purest treasure mortal times afford
Is spotless reputation---That away
And wheels may be painted iron or gilded clay;
An honest cycle that has stood the test,
Is the famous one with the Humber crest·
In quality is its fame; both grow in one;
Take quality from it and its fame is gone.

HUMBERS have been the favorite Bicycles of two generations of riders. They are still the - - STANDARD.

Humber & Co., America, Ltd.,
No. 318 Broadway,
New York.

E. Bissell, Son & Co., No. 12 Murray Street and No. 15 Park Place, New York, have announced a special unreserved sale of table and pocket cutlery and like goods on Tuesday, Wednesday and Thursday, August 13th, 14th and 15th. This sale is described as comprising a very large and desirable assortment of these goods, and is by order of the manufacturers and importers.

On August 2nd the copartnership existing under the firm name of Terrell & Vroom, New York, was dissolved by the death of Henry S. Vroom. Isaac H. Terrell, the surviving partner of the firm, having purchased from the legal representatives of the late Henry S. Vroom all his share, interest, and property of the copartnership, will settle all debts, and collect and receipt for all claims of the late firm of Terrell & Vroom.

The Westinghouse Electric & Mfg. Co., of Pittsburg and the Baldwin Locomotive Works, of Philadelphia, two of the largest industrial concerns in America have joined interests. It is said that the new company will give employment to 10,000 men during the busy season. The combined capital of the united concerns is close to $20,000,000.

The Striking employees of the Canton Steel Co., of Canton, Ohio, have returned to work with a general increase in wages of 13⅓ per cent. to affect all departments engaged in the strike. About 275 men were involved.

Perhaps You Know All About It!



THE NEW ERA RADIATOR.—Its construction is very simple, but as a heat giver and a saver of fuel it surpasses all others.

Prices also are lower this year. Full particulars may be had by addressing

WILMOT CASTLE & CO.,
83 Elm Street, Rochester, N. Y.



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A. and F. Clifford, who were formerly in the Hardware and house-furnishing business, and as such merchants became well known to the trade, have commenced the bicycle business, under the name of the New York & Kings County Cycle Co., at Nos. 45 and 47 Bond Street, Brooklyn, N. Y. They will pay especial attention to repairing and retailing, and would be pleased to receive bicycle catalogues, and hear from manufacturers of wheels and accessories, with a view to taking agencies for Long Island.

W. T. Norton, lately general sales agent and first vice-president of the American Axe & Tool Co., whose removal to Cleveland, Ohio, was recently noted in these pages, has become actively associated with the Avery Stamping Co., of the city named. Mr. Norton is a wide-awake, active business man, and the company is to be congratulated upon its new accession to an already strong working force.

The firm of S. Landon & Son, Angola, N. Y., was dissolved on July 24th by mutual consent, S. Landon selling out to H. S. Landon, who will carry on the business heretofore conducted by said firm. All accounts of said firm will be settled with H. S. Landon.

Side Line Offered

WANTED salesman to handle as a side line a first class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



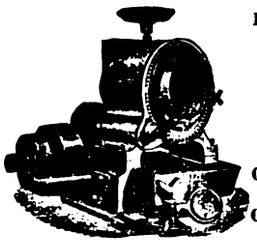
25c.

Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn.

SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

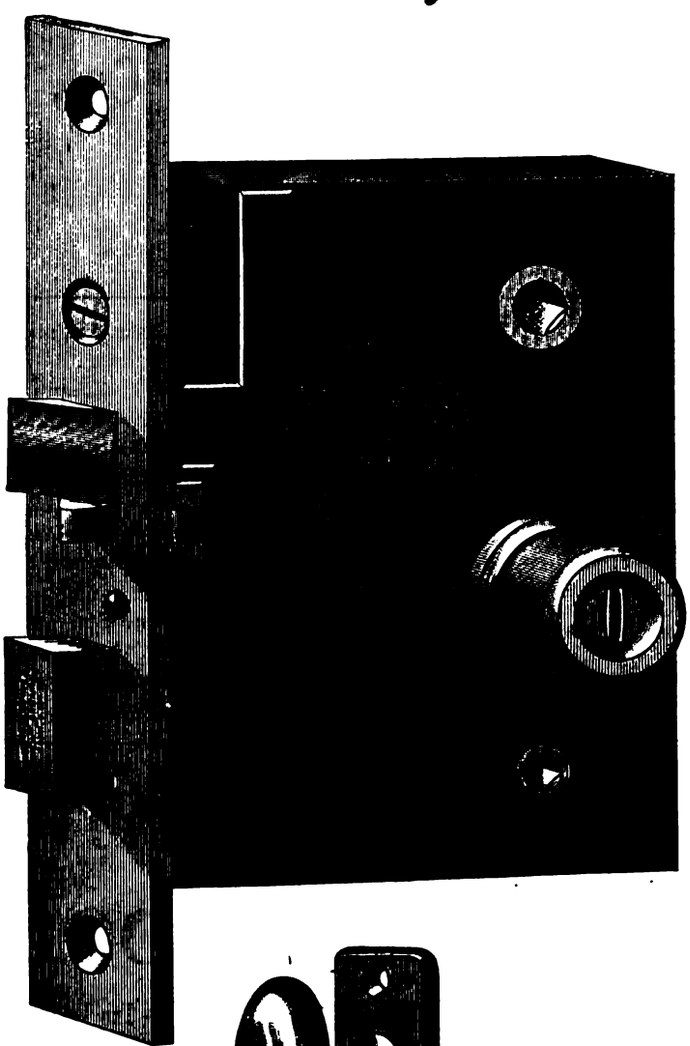
TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

Manufacturers of the

Columbia Cylinder Lock.







Front Door Lock, No. C1230.

The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

SEND FOR PRICE LIST

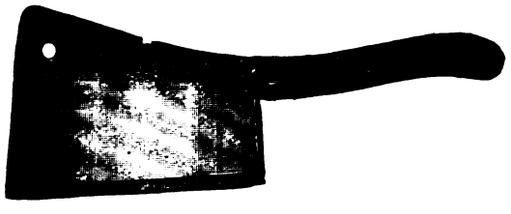
MANUFACTURERS OF

SCALES

—AND—

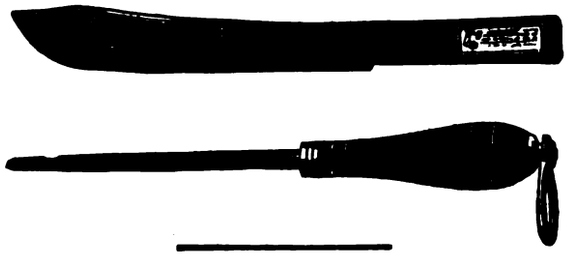
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

Hardware Dealers don't Keep

TRENTON CYCLOMETERS,

They Sell Them.

Why don't you place a sample order for them? They are far superior to any instrument of this character yet produced.

MADE OF ALUMINUM.

WEIGHT, 2¼ ozs.

Dustproof and Waterproof, Noiseless and positive in action. Registers 1000 miles and repeats.

Price, $2.00.



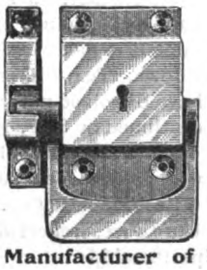
Price, $2.00.

Large discount to trade. Electrotypes and signs furnished upon application.

TRENTON WATCH CO.,

Mention HARDWARE. TRENTON, N. J.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

P. J. CONROY,

PHILADELPHIA PA.

Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

It may be possible to do advertising from which you will never see any results. It is certain that you will never get results from the advertising that you do not do. : : : :

Trying to do business without advertising is like winking at a pretty girl through a pair of green goggles. You may know what you are doing, but nobody else does. : : : :

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Demopolis, Ala.—W. J. Braswell & Sons.
Filler, Ark.—R. W. Harrell & Son.
Harwinton, Conn.—McIntosh Bros.
Key West, Fla.—J. W. Johnson.
Oswego N. Y.—A. P. Storrs & Co.

Record of Changes.

Albert Lea, Minn.—Kiel & Hellie Co., Hardware, reported succeeded by Hellie, Stegren & Co.

Alpena, Mich.—Morley Bros. have purchased the Hardware stock of Harshaw & Kimball.

Andrews, Ind.—Campbell & Sipe have purchased the Hardware stock of J. H. Kaufman.

Arkadelphia, Ark.—W. E. Stuart & Co., Hardware, etc., stock purchased by C. C. Tobey & Bro., who will continue the business.

Arthur, Can.—J. M. Roach has sold his Hardware store to H. W. Gillrie.

Asheville, Ohio.—The Hardware firm of Valentine & Briggs have dissolved by mutual consent. The business will be conducted by Jas. H. Valentine, who has assumed all liabilities of the late firm.

Austin, Tex.—A. L. Teagarden, Hardware, sold interest to J. M. Shumate. Business will be continued in the firm name of Teagarden & Shumate.

Axtell, Kan.—W. H. H. Dooley, Hardware and agricultural implements, reported now Dooley & Ford.

Bedford, Tex.—Henley & Barr, Hardware, business purchased by John Barr, who will continue same.

Belvidere, Ill.—W. W. Ray has purchased the Hardware stock of Frank King, and moved it into his own store.

Blanchard, Iowa.—Ed. Mitchell has purchased Sanford Wright's stock of Hardware, and will move it to his harness shop, and run a harness and Hardware store combined.

Bloomer, Wis.—Louis Martin, Hardware, reported succeeded by Martin & Steichen.

Bowen, Ill.—H. B. Nash has purchased W. T. Gillis' stock of Hardware and furniture.

Broken Bow, Neb.—Thompson Bros., Hardware, etc., reported succeeded by D. W. Thompson.

Burlington, Vt.—The Hardware firm of S. Bigwood & Son have dissolved.

Cadillac, Mich.—The Newark & Drury Hardware Co., succeeded by Drury & Kelley Hardware Co.

Cedar Falls, Iowa.—L. H. Severin, Hardware, reported succeeded by Boelmler & Scherer.

Charlestown, Vt.—A. K. Hood has sold his stock and fixtures in Hardware, plumbing, etc., to James Davidson.

Clifton Springs, N. Y.—A. A. Raymond has purchased the stock of goods in the Donovan Hardware store, and will move the same to his store.

Cloverdale, Ind.—Morris & Layne, proprietors of the Cloverdale Hardware store and lumber company, have dissolved partnership. T. M. Layne has bought T. H. Morris' interest in the above.

Cookeville, Tenn.—Nichols & Ford, Hardware dealers, have dissolved partnership. Business will be continued by T. D. Ford.

Dickson, Tenn.—V. B. Miller, Hardware, agricultural implements, etc., sold out to J. D. Petty.

Elkhart, Ind.—The Hardware firm of Garvin & Wahlen, No. 510 South Main Street, have taken on a change in management, G. W. Garvin having disposed of his interest to Carl Wahlen.

Fairfield, Iowa.—The Bright Hardware store has been sold to J. E. Fisher, who has been connected with it as a clerk for several years.

Grafton, N. D.—A. L. Mahler, Hardware, reported succeeded by Cairncross & Davies.

Grand Rapids, Mich.—Failing & LeRoy, Hardware, reported succeeded by J. K. Failing.

Hamlet, N. Y.—H. B. Parker, Hardware, stock sold to J. M. Warner.

Havana, N. D.—E. E. Flood, Hardware, reported as having been succeeded by Leach & Ellingson.

Hector, Minn.—Erickson & Whitney, Hardware and agricultural implements, reported succeeded by Erickson & Halverson.

Highland Park, Mich.—L. W. Thomm & Co. have sold their Hardware business to Jeffers Bros.

Huntingdon, Pa.—S. B. Chaney, Hardware merchant, has purchased the interest of his partner, Thomas McCullough, trustee, and will conduct the business under the same firm name of S. B. Chaney & Co.

Iowa, Tex.—Kerr & Hunt, Hardware, have dissolved partnership; business will be continued by S. F. Kerr.

Kirkland, Ark.—Holton & Wells, Hardware, stoves, etc., succeeded by J. A. Wells.

La Grande, Ore.—Murphy & Harris, Hardware, reported as having dissolved partnership.

Lanark, Ark.—T. W. Hollingsworth & Co., Hardware dealers, have dissolved partnership; business will be conducted by the senior partner.

Las Animas, Col.—C. B. Meeker, Hardware, etc., reported as having sold to Pratt & Gardner.

Lebanon, Pa.—The firm name of J. H. Seltzer & Bro. will be changed to B. F. Seltzer & Co., owing to the fact that an interest has been purchased by M. P. Spangler and Cyrus Yingst, for years clerks in the store, J. H. Seltzer withdrawing.

Little Rock, Ark.—The Foster Hardware Co. has been sold to W. C. Foster, who will continue the business.

Luzerne, N. Y.—W. J. Hall will engage in the Hardware business again, having repurchased the stock from Jenkins & Mosher.

Marlow, N. H.—Arthur M. Davis has purchased the tin and Hardware business of Clarence E. Morrison.

Marvin, Kan.—D. M. Cox, Hardware, reported sold to W. H. Cox.

Minneota, Minn.—Walker & Sigurdson, Hardware, etc., reported as having been succeeded by G. S. Sigurdson.

Modena, Mo.—D Horne & Co., Hardware, reported now J. S. Everett & Son.

Moravia, N. Y.—Douglass Helm, of Lima, Ohio, has purchased Mr. Casey's interest in the Hardware firm of Casey & Baird, in Moravia.

Nashville, Ohio.—Castell & Jackson, Hardware, reported as having dissolved.

North Greenfield, Wis.—Mr. Klehm and son, of Layton Park, have purchased the Hardware business of F. J. Krumholtz.

Old Zionsville, Pa.—The Hardware firm of P. Miller & Son have dissolved, P. Miller retiring. The business will be continued under the title of L. H. Miller & Bro.

Pomona, Cal.—G. H. Boutelle, Hardware, reported E. Heath admitted.

Sedalia, Mo.—R. B. Ellison has disposed of his Hardware store on Ohio Street to A. J. Hall.

Sioux City, Ia.—The Peterson & Fosberg stock of Hardware has been sold by the Knapp & Spalding Co. to John Erickson, who will continue the business.

Titusville, Fla.—Ray & Day, Hardware, etc., reported succeeded by S. H. Happersett.

Warrenton, Va.—R. W. Payne & Bro., Hardware, stock purchased by Hutton & Payne, who will continue the business.

Waterloo, N. Y.—The partnership of the Hardware firm of Baker & Webster has been dissolved, the senior partner, Arthur W. Baker, retiring from the business by reason of continued ill health. A new copartnership has been formed, consisting of Charles V. Webster, of the old firm, and his brother, James L. Webster, who will succeed Mr. Baker.

Wyoming, Iowa.—L. M. Barrett has bought out the stock of Hardware, stoves, tinware, etc., of Clark E. Clapp.

Yoakum, Tex.—J. H. Clare & Co., Hardware dealers, have been succeeded by J. H. Clare.

Improvements and Removals.

Fairbury, Neb.—Menefee & Brown, Hardware, reported moved to Fruita, Col.

Lisbon, Me.—A. H. Macurda has moved his Hardware stock into one of the roomy stores in Central Block.

Reading, Pa.—Hertzog & Heilman, Hardware dealers, Sixth and Bingaman Streets, have completed an extension of thirty feet to their storeroom and fitted it up with shelving and a twenty-foot counter. The office has also been removed to the rear, giving a much enlarged floor space.

Burglaries in Hardware Stores.

Benton Harbor, Mich.—John F. Duncan, $100.

Ft. Fairfield, Me.—L. K. Cary & Co., cutlery and revolvers.

LeRaysville, Pa.—E. M. Baily & Son, small loss.

Mansfield, Ohio.—George Breidenstein, $300.

Fires in Hardware Stores.

Minnesota Lake, Minn.—C. W. Apley's Hardware store destroyed by fire.

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Bicycles Built for Business.

We Have a Lot of This Sort.

"WEEDSPORT, N. Y., July 29, 1895.

"Having handled the Clippers for two years, we can say our sales are more than doubled over last year, and the season not over yet. With a large number of wheels sold, do not up to date know of a broken frame, have furnished only four spokes and four cones. Outside of that not a cent spent on Clippers for repairs. They are the most substantial and tastiest wheel made in the U. S. for the money.

Yours sincerely,

(Signed) WEEDSPORT DRILL CO."

Makers of



Business Bicycles

Grand Rapids Cycle Co.

Mich.

CYCLOMETERS.

AMERICAN INDICATOR CO.,

LAWRENCE, MASS.

No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.

Descriptive circulars on request.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.

INDISPENSABLE TO WHEELMEN.

Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.

Send for Catalogue.

C. H. LAMSON, Portland, Me

Making Money

Selling bicycles depends upon the repairs.

The ***less repairs,*** the ***more profit*** to the hardware dealer.

The Sterling

(Built like a watch.)

is the ***only*** wheel that never needs repairs.

Send for Catalogue.

STERLING CYCLE WORKS,
286-240 Carroll Ave.,
CHICAGO.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. **NEW YORK.**

SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** **in great variety.**

NEW HAVEN, CONN.

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 Pounds



CATALOGUE FREE

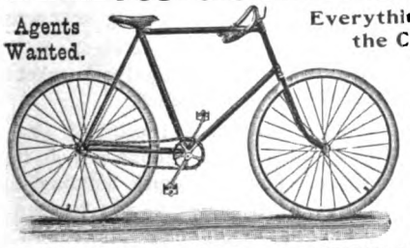
FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

R. H. & CO.'s 1895 LINE!

Agents Wanted.

Everything Required by the Cycle Dealer.



The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are . . . .

$75.00
$60.00
$50.00
$40.00

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.

Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Binghamton, N. Y.—Negotiations are pending between President Tierney, of the Board of Trade, and other interested parties looking to the establishment of a fifty-thousand-dollar bicycle factory either in Binghamton or Utica.

Bridgeport, Conn.—M. Larson, sporting goods, etc., will open a new store.

Canandaigua, N. Y.—Stanley G. North and others are organizing a company, with a capital stock of $20,000, to manufacture a bicycle invented by Mr. North.

Charlotte, Mich.—Steps are being taken looking to the establishment of a bicycle factory.

Chicago, Ill.—The Enterprise Cycle Mfg. Co. has been incorporated by T. P. Keyes, A. L. Funk and L. Silverman. Capital stock $250,000.

Chicago, Ill.—The Climax Cycle Co. has been incorporated by L. T. Alton, F. N. Goulding and John Hurley to manufacture bicycles. Capital stock $1,000,000.

Chicago, Ill.—The Czar Cycle Co. has been incorporated by Park E. Simmons, No. 164 Dearborn Street, Carl E. Gibbon and James H. Burbank to manufacture cycles. Capital stock $15,000.

Columbia, S. C.—J. W. Mixson & Co., bicycles, etc., have opened a new store and are agents for the Triangle and Peerless. They will do a bicycle repair business and have added an enamelling outfit.

East Lynne, Mo.—J. E. P. Williams, general merchandise, has added a line of bicycles and bicycle sundries.

Elgin, Ill.—The Elgin Cycle Co., incorporated by T. M. Duncan, R. D. Hollenbeck and C. H. Enc. Capital stock $100,000.

Elkhart, Ind.—The Acme Cycle Co. has been incorporated by Delos N. Weaver, W. B. Pratt, John H. Broderick, Peltrie Hill, Louis P. Holladay, W. L. Collins, John T. Wolfe, J. L. Broderick, Otis D. Thompson and Cullen W, Green to manufacture bicycles. Capital stock $50,000.

Grand Rapids, Mich.—Homer L. Boyle, William Chambers and others are reported to be organizing a company to manufacture bicycles. Mr. Boyle was formerly a designer for the Pope Mfg. Co., and he and his associates own several patents. They are reported to have secured factory facilities and will turn out 100 experimental wheels on an entirely new line.

Grand Saline, Tex.—Meeks & Parsons Co., Hardware, will take up bicycles. This concern is a consolidation of P. B. Meeks and J. E. Parsons & Co.

Helena, Montana—T. C. Power & Co., agricultural implements, have added a bicycle department and placed the same under the management of C. W. Sparr. The Sterling and March wheels will be handled, also bicycle supplies.

Indianapolis, Ind.—The S. A. Haines Co., Hardware, announce their intention of taking up a line of bicycle sundries, and extend an invitation to manufacturers to correspond with them in reference to this matter. They are the selling agents for the Star Bros. Bell Co.'s line of bicycle bells.

Lafayette, Ind.—Florer & Lindsay, proprietors of the Novelty Ring Works, are perfecting arrangements for the establishment of a bicycle factory to manufacture a wheel recently patented by Mr. Lindsay and for which he claims a number of new and valuable features.

La Porte, Ind.—J. M. Bryant and others are reported to be organizing a company to manufacture bicycles from a new model, the special feature of which will be the fact that the rim will be built of papier mache.

Minneapolis, Minn.—The Bicycler's Security Association has been incorporated, with a capital of $50,000.

New Albany, Ind.—J. S. Evans is preparing to manufacture bicycles, under the style of the Evans Mfg. Co. This factory will be in operation before next season.

New Castle, Pa.—Frank T. Fowler, of the Fowler Bicycle Co. of Chicago, is reported to be negotiating with a view of locating a plant for the manufacture of bicycles.

New Haven, Conn.—The New Haven Chair Co. has decided to go into the manufacture of bicycles and have commenced to take steps in that direction.

New York, N. Y.—The Bamboo Cycle Co. has been incorporated by Edward Howe, Henry Whittemore and Henry V. Nash, of New York City, to manufacture cycles. Capital stock $15,000.

New York, N. Y.—The Starr Cycle Co., at No. 55 Second Street, has opened a branch salesroom and riding academy at Asbury Park.

New York, N. Y.—R. H. Macy & Co., Sixth Avenue and Thirteenth Street, have commenced the sale of bicycles and have opened a bicycle riding academy on Fourteenth Street, the building selected being the old Scotch Presbyterian Church. They will push the sale of the Oriental, Model No. 3.

Norwich, Conn.—The Hopkins & Allen Mfg. Co., at a recent meeting of the directors, decided to go into the manufacture of bicycles, and preparations are now being made providing for the new industry.

Plymouth, Wis.—Trowbridge & Gaffron is the name of the new bicycle firm composed of William Trowbridge and B. A. Gaffron.

Rome, N. Y.—James H. Owens and others are organizing a company, with a capital stock of $50,000, to establish a bicycle factory.

San Diego, Cal.—George T. Lemon, bicycles, has accepted the agency for the Tribune, which will be handled in connection with the Phœnix.

Skowhegan, Me.—Steps are being taken looking to the organization of a company to manufacture bicycles.

St. Louis, Mo.—The Randolph Heckel Hardware Co. have decided to establish a bicycle department and will carry a full line of special makes.

Washington, D. C.—L. Tindall, bicycles, has commenced business at No. 607 F Street and is handling the Warwick and Dauntless bicycles.

Washington, D. C.—W. D. Hadger, bicycles, opened a new store at No, 1024 Connecticut Avenue and carries the Liberty. He also has a branch store at No. 907 Ninth Street for the sale of second-hand wheels.

Changes and Removals.

Elmira, N. Y.—The Eclipse Bicycle Co., of Beaver Falls, Pa., have concluded negotiations for the transfer of its manufacturing plant to Elmira. The new factory will be ready for occupancy within sixty days. The present force of 400 employees will be increased to 600.

Kitchi, Mich.—A. L. Hardlin & Son, Hardware, bicycles, etc., firm reported to have dissolved partnership.

Portland, Me.—The Scanlan Co. has been succeeded by the newly-organized Puritan Cycle Mfg. Co.

Rochester, Ind.—William R. Goss & Co., Hardware, bicycles, etc., have sold their interest in the business to John R. Barr, and in the future the style of the firm will be Goss, Barr & Co.

Warren, Ohio.—The Paige Tube Co. has been succeeded by the Ohio Tube Co., and the following new officers elected: President, O. C. Barber; vice-president, H. C. Viele; treasurer and general manager, E. D. McCrum, Jr.; secretary and superintendent, C. J. Bray.

New Goods and Improvements.

Chicago, Ill.—Morgan & Wright, bicycle manufacturers, at No. 59 West Lake Street, will erect a new five-story and basement brick factory building, for the manufacture of bicycles. The plant will cost $25,000.

Kenosha, Wis.—The Sieg & Walpole Mfg. Co., of Chicago, has purchased factory building, and will use it in the manufacture of bicycles, employing over two hundred men. Their present headquarters on Wabash Avenue, Chicago, will be continued. They will take possession of their new plant August 1st, and will manufacture Windsor bicycles and bicycle sundries.

Newark, N. J.—The Howard A. Smith Co., manufacturers of the American Excelsior bicycle, No. 328 Broad Street, announce the preparation of greatly enlarged facilities for bicycle manufacturing next season.

New Haven, Conn.—Lavigne & Scott Mfg. Co. are placing on the market the "Sandow" bicycle wrench.

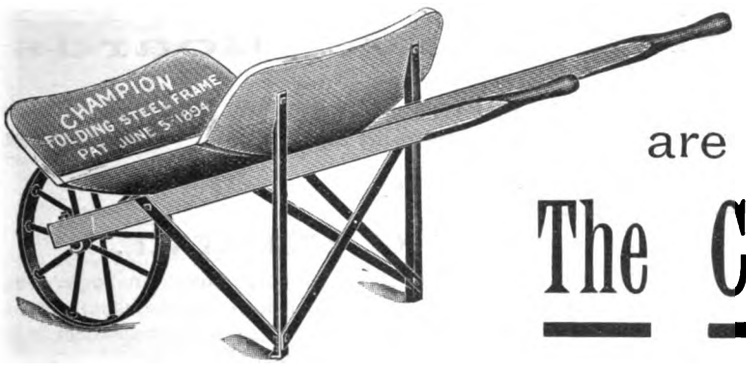
Peoria, Ill.—Rouse, Hazard & Co., bicycle manufacturers, announce their intention to enlarge their factory building, so as to double their capacity, and to turn out 10,000 bicycles next year. They now employ about 125 hands.

Weedsport, N. Y.—Charles Hudson, bicycle sundries and repairing, erecting addition to accommodate increasing business.

Wilmington, Del.—The McLeer & Kimball Carriage Mfg. Co. is reported to be preparing to enter extensively into the manufacture of bicycles.

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If you're dealing in Barrows you should have goods that have a REPUTATION and goods that are abreast of the times.



The Champion Barrows

Possess more practical points than any other.
Why not use the Best, its always the Cheapest?

Ask for Catalogue and Prices.

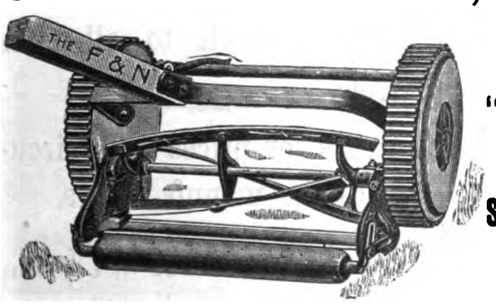
BRYAN MFG. CO., Bryan, Ohio.

THE F. & N. MFG. CO.,

—Manufacturers of—

Lawn Mowers and Grass Catchers,

Richmond, Ind., U. S. A.



"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.

MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS, WHICH ARE UNEQUALED.

Howard Iron Works,

BUFFALO N. Y.

Manufacturers of

Bench Vises.

Price Lists sent on application.

Dumb Waiters.....

that don't keep you waiting.

Simple, smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

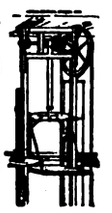
Liberal Discounts to Dealers
Send for Catalogue.

ENERGY MFG. CO.,

1223 S. 15th Street, PHILADELPHIA.

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

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HALL BROS. MFG. COMPANY,

—Manufacturers of—

"Mosaic" (TRADE MARK.) Enameled Stove Boards.

OFFICES AND SALESROOMS:

NEW YORK, 260 Canal St. CHICAGO, 225 Fifth Ave. PHILADELPHIA, 249 S. Second St. BOSTON, 90 Canal St.

FACTORY: BELDING, MICH.

TO THE TRADE.

BELIEVING there is a demand for a superior line of Stove Boards and judging from the success we had last season with the "Mosaic" Enameled Board, we think it would be to your advantage to look at our samples before placing your order. We carry a full line of stock in our New York, Philadelphia and Boston salesrooms, and will be glad to answer all inquiries and quote prices.

POINTS OF EXCELLENCE.

The Plates used for our Enameled Stove Boards are 20 per cent. heavier than used on any other Stove Boards manufactured.

It Requires a temperature of 240 degrees to finish them, consequently the enamel is indestructible.

Washing or heating will not injure the surface.

The Most durable, the handsomest and finest finished Stove Boards on the market.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,

Gouverneur, N. Y.

U. S. A.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

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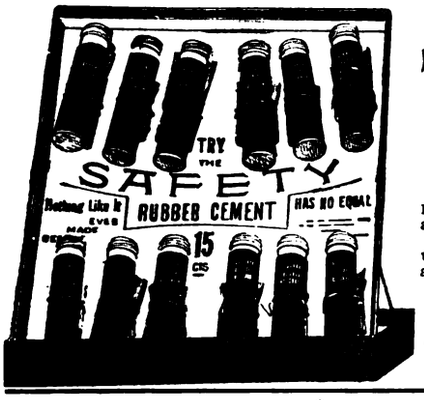
Corn Husking Goods.

THE LARGEST LINE,
BEST STYLES.

ASK THY JOBBER FOR
BLAIRS.

BLAIR HUSKING GLOVE CO., Bucyrus, Ohio.





"A WINNER."
The Safety Rubber Cement Outfit.

EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.
The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of 15 cents.
Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

"OHIO" LEVER CUTTER

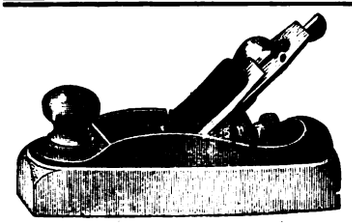
1894 PATTERN, PRICE, $5.00.



SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.
Shipped K. D. to secure lowest freight rate, and can be set up in a moment.
Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO.,
SALEM, OHIO.



THE SAMUEL I. GOODALL CO.,

MANUFACTURERS OF

Bailey Pattern Planes, Try Squares
Bevels, Etc.

Philadelphia, Pa., U. S. A.

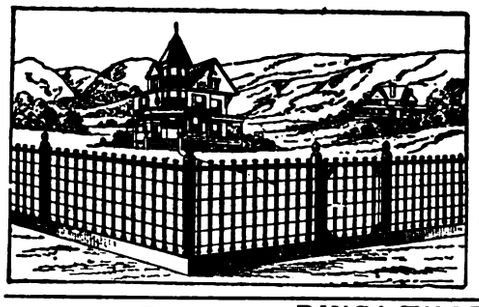




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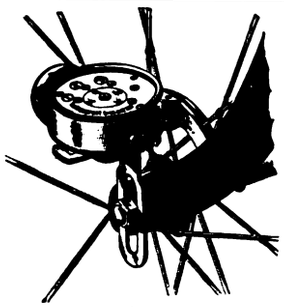
KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market. ∴ ∴ ∴

Send for Illustrated Circular and price list.



DING! THAT'S HOW THE BELL RINGS

On a Model "B"

BRIDGEPORT CYCLOMETER

At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

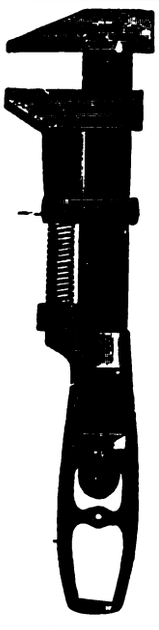
Rings a Bell at Every Mile.

FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

The Bridgeport Gun Implement Co.,

313-315 Broadway, New York.



L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.

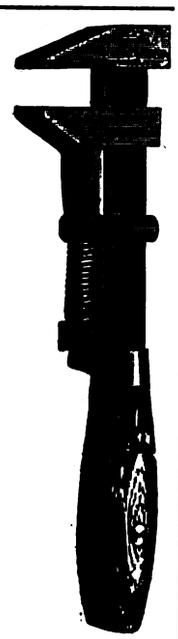
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COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839. Registered March 31, 1874.

Patented July 6, 1880. Patented July 3, 1894.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,

146 Franklin St., Boston, Mass.

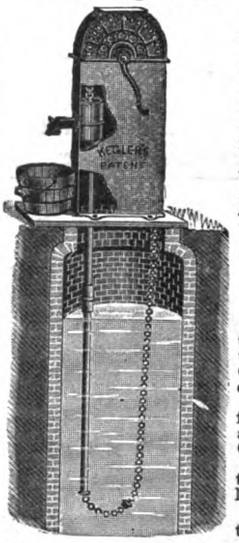
Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT

Galvanized Iron

Tubing and Curb



No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.
More Durability. Less Weight.
Tubing is 12 times lighter than wet wood.
Can be attached to any curb.
The only satisfactory Tubing and Curb for Chainpumps.
Send for illustrated Catalogue.
Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.

MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

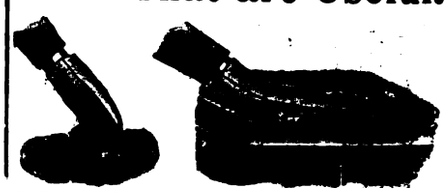
TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, n lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

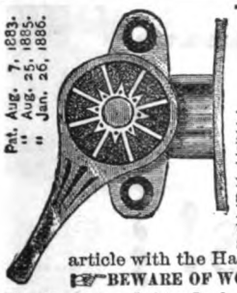
BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.

Manufrs. of Useful Adv. Mediums.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

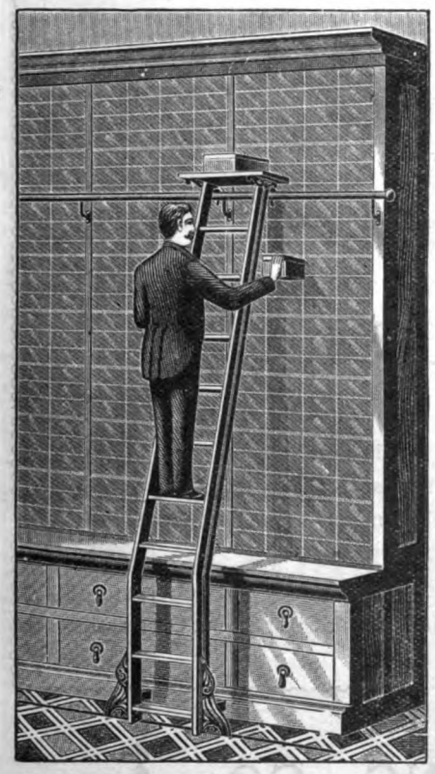
The Champion Safety Lock Co., Cleveland, O.





The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & Co., 80 John St.





FOR PRICES ON

GOAL HODS

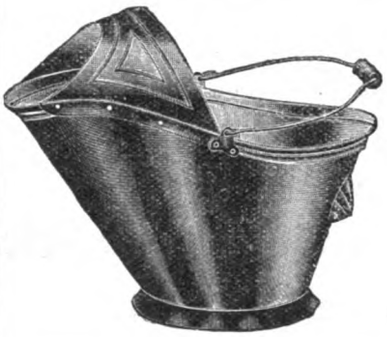
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GEUDER & PAESCHKE MFG. CO.

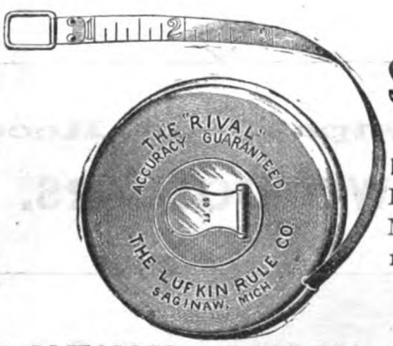
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Milwaukee, Wisconsin.

QUALITY GUARANTEED.







"RIVAL"

Steel Measuring Tapes.

Something New! A low priced Steel Tape. First-class and fully guaranteed. Nickel-Plated Case. Flush Handle. ⅜ in. Tape. Marked one side only. Made 25, 50, 75, 100 feet lengths.

SEND FOR PRICES.

LUFKIN RULE CO., Saginaw, Mich.

NEW YORK OFFICE, 2½ MURRAY ST.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF WIRE RODS, AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

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Just What Every Manufacturer Wants!

The Reference Book

OF THE

Hardware and Kindred Trades of the United States and Canada.

THE Book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

Hardware Dealers.
Dealers in Sporting Goods, Bicycles, Firearms, &c.
Agricultural Implement Dealers.
Stove Dealers.

Sent (Postpaid) on Receipt of

TWO DOLLARS.

CERTAIN marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, Stove dealers in another, etc. In most cases, in the Hardware list, are specified the special kind of Hardware handled, as Shelf Hardware, Cutlery, etc.

SEND ORDERS TO

HARDWARE PUBLISHING CO.,

143 CHAMBERS STREET,

NEW YORK.

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THE WM. SCHOLLHORN CO.,
New Haven, Conn.



"Star" Straight Trimmer (Oval Pattern).

MANUFACTURERS OF
The Celebrated "Star Brand" Shears and Scissors, and "Elm City" Shears in large variety.

ALSO MANUFACTURERS OF
Bernard's Parallel Pliers
In all styles and sizes for various purposes.

"BEST QUALITY ONLY."

Marten Doscher.
DEPOT,
88 Chambers St., New York.
EDGE TOOLS,
G. W. Bradley's,
Horton's,
L. H. Watt's.
BENCH PLANES, &c.
Turned Work Handles, Mallets, &c.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.

ESTABLISHED, 1835. INCORPORATED, 1892.
R. HEINISCH'S SONS CO., NEWARK, N. J.
New York Office, No. 90 Chambers Street.

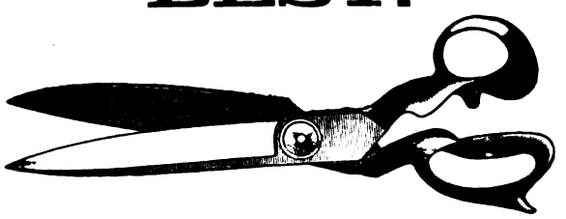


Tailors' Shears, Trimmers, Scissors,
Tinners' Snips, &c.
CATALOGUES AND PRICES ON APPLICATION.
We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and Nickel-Plating.



THE WISS SHEARS AND SCISSORS.
Made in great variety but of only one grade, the
BEST.

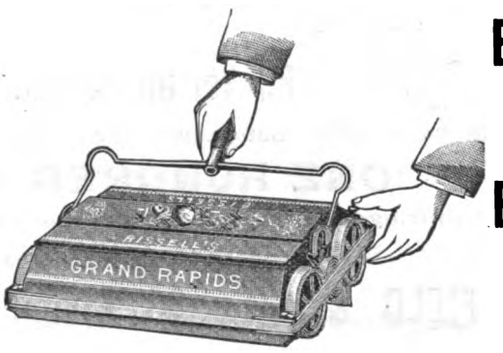


They have the finest finish and a reputation that extends all over the world, and hence
FIND A READY SALE.
Write for Illustrated Catalogue of August, 1898, and discount.
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ADVERTISING
contributes to success, without faith you will be blind to good results.
Advertise in
HARDWARE.

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CARPET SWEEPERS

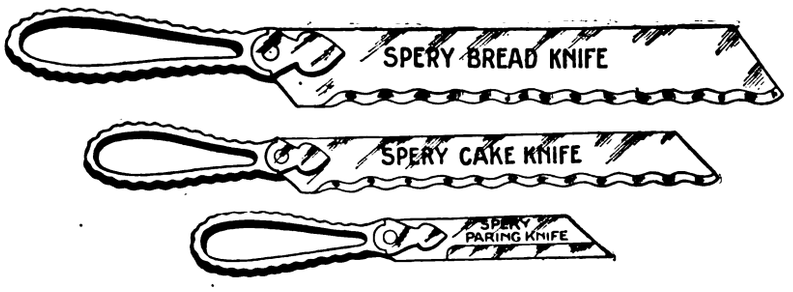




EASY TO BUY
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85% of all the Carpet Sweepers used in the Entire World are "Bissells"
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FACTORIES: Grand Rapids, Mich.; Toronto, Can.; Paris, France.
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We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made.

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street, DAVID EASTMAN, Manager.



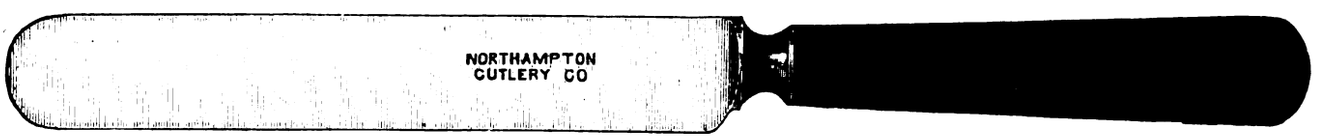
PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

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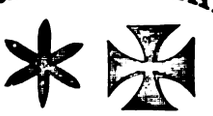


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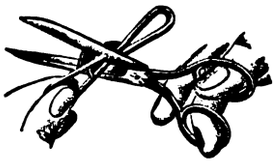
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ARE YOUR SCISSORS DULL?

THE "HANDY" SCISSORS SHARPENER

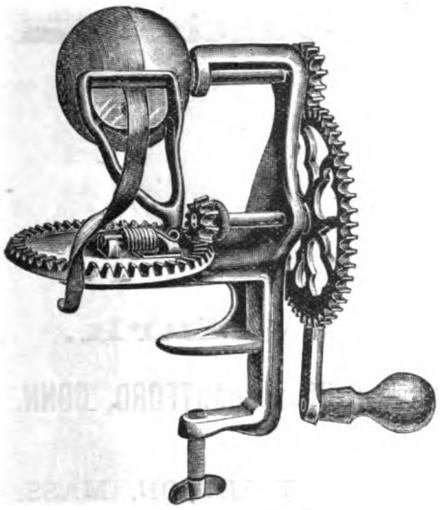


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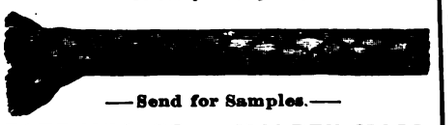
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We make a larger variety and more than any other firm in the world. We make a specialty of Apple Parers for Evaporators, Bakers, etc., to pare, pare and core, or pare, core and slice, both hand and power.

Catalogue sent to any Dealer if wanted.

GOODELL COMPANY, ANTRIM, N. H.

Braided Cord
Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.



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ALL KINDS UNDER THE

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Power Clippers, both hand & mechanical.
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Barbers Adjustable,
The best made.

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Our '78 Apple Parer

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Two o the finest Pocket Cutlery Plants in the U. S.

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CHISELS | CARVING TOOLS
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"STAMPED WITH THE BUCK'S HEAD,"

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
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Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
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BUCK BROS. CAST STEEL
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TRADE MARK

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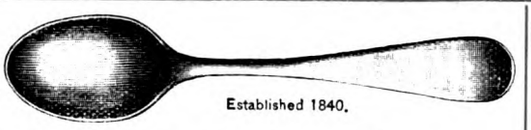
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Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

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TEA SPOONS,	per gro.,	$22.50
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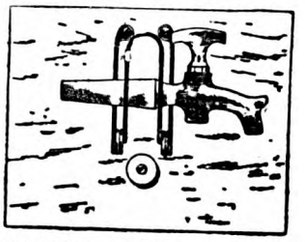
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Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them. Send five cents in stamps to the manufacturers for a sample.

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House... ...Goods Supplies.

ESTABLISHED 1867

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Catalogues on Application

Send business card and mention "Hardware."

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WE ANTICIPATED THE UNPRECEDENTED DEMAND FOR



The Monarch WHEELS,

AND HAVE NEVER FAILED TO SUPPLY THE TWO FAVORITES,

MODEL 9, 24 Pounds, $85.
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NO MORE GARBAGE CANS

to poison the air and become a nuisance. All the kitchen refuse turned into fuel for the morning fire quickly, cleanly and easily by the

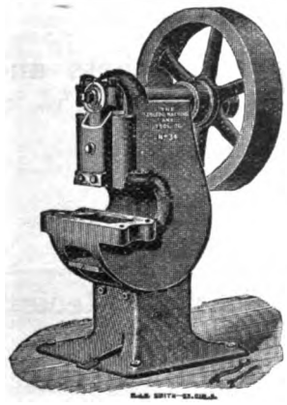
HOUSEHOLD GARBAGE CARBONIZER.

A practical, simple, efficient sanitary and inexpensive device, that converts the garbage into charcoal without offence or trouble, and with no interference with the stove or the draft.

Endorsed by Sanitary Authorities.
Recommended by Health Officials.
Adapted to any style of Stove or Range, and for any Family or Building.

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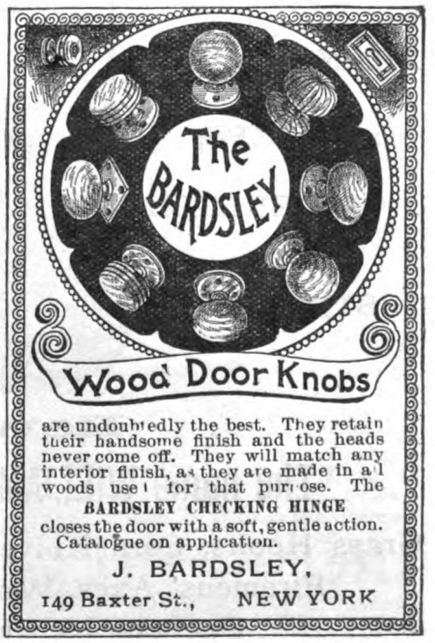
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Power Punches, Forging Presses,
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Straight Sided Double Pitman Presses,
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Special and Automatic Machinery Dies for all classes of work in sheet metals.
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are undoubtedly the best. They retain their handsome finish and the heads never come off. They will match any interior finish, as they are made in all woods used for that purpose. The BARDSLEY CHECKING HINGE closes the door with a soft, gentle action. Catalogue on application.

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Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

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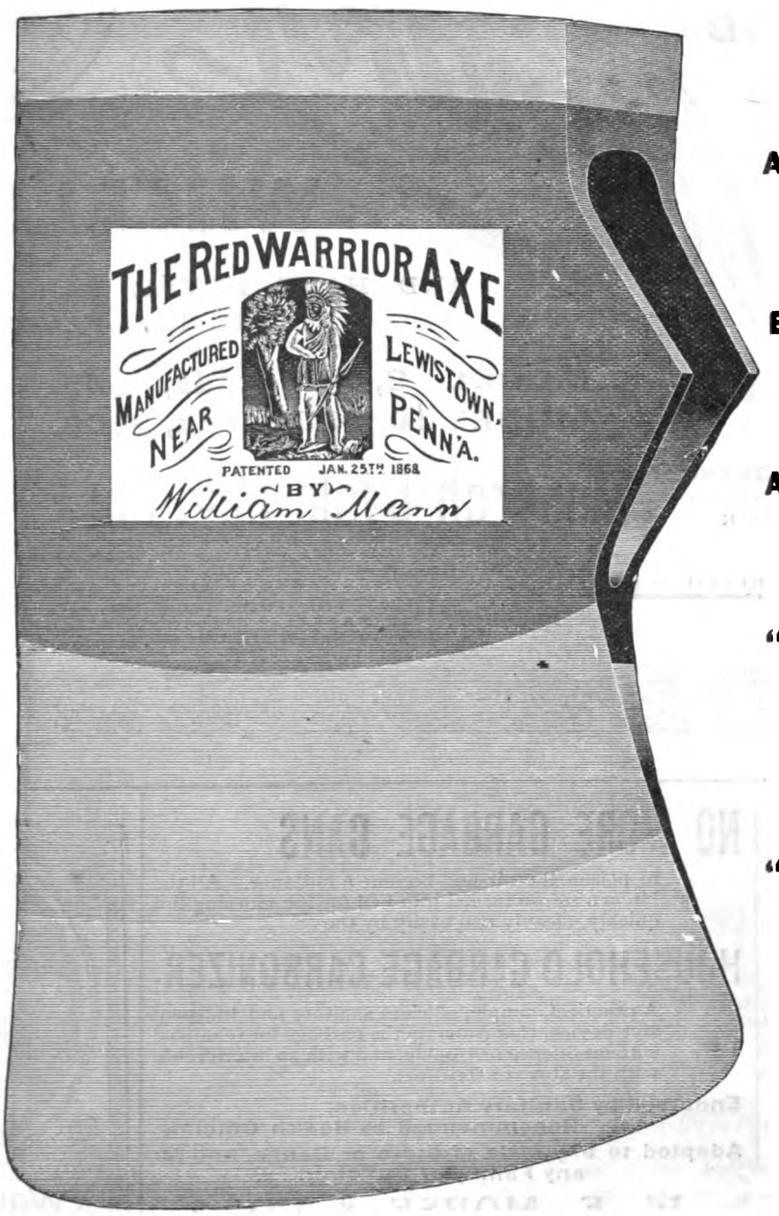
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WE CHALLENGE COMPETITION
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SIMPLICITY OF MECHANISM,
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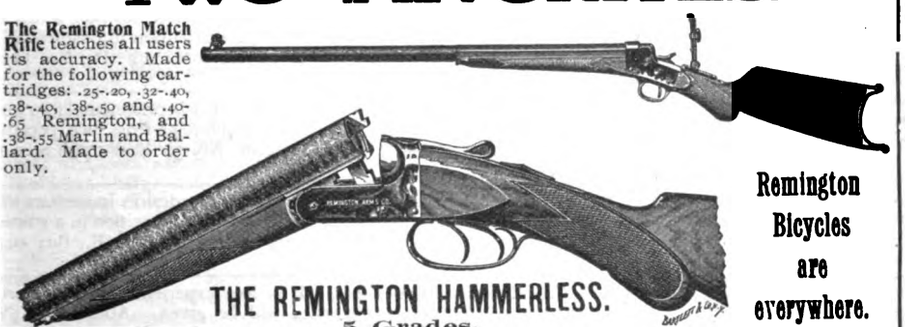
Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

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WINNER OF GRAND AMERICAN HANDICAP OF 1895.

TWO FAVORITES.

The Remington Match Rifle teaches all users its accuracy. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-.65 Remington, and .38-.55 Marlin and Ballard. Made to order only.



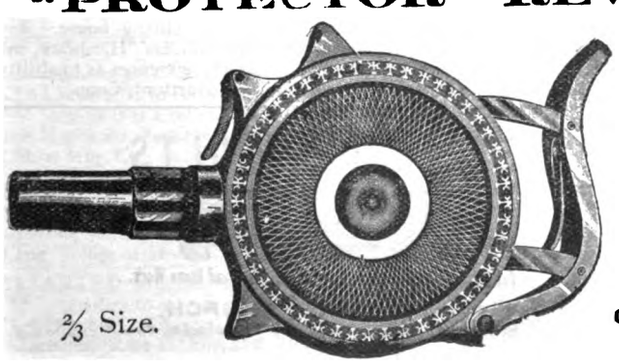
THE REMINGTON HAMMERLESS.
5 Grades.

Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Hunting with this gun has good results. Send for Catalogue.

REMINGTON ARMS CO.,
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"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

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GEO. J. WELLS, Agent,
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Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three.

A 1,	$4.50	per doz.
No 2.	2.50	"
No. 3.	1.75	"
No. 4,	.90	"

J. H. SEED, Man'f'r,
21 & 23 Centre Street, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

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Manufacturers of BUILDERS' HARDWARE.

WAREROOMS:

NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.

Works: Stamford, Conn. / Branford, Conn.

BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Building.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A first-class builders' Hardware salesman, familiar with fine Hardware and plans; give particulars with salary expected. Address Boston, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man. Address Geo Rome & Co., Carnegie, Pa.

AN importer of pocket knives, scissors and razors desires one or two first-class salesmen, who are thoroughly familiar with these lines and know the trade; highest salary paid. Address, stating full particulars, Good Chance, care HARDWARE, No. 143 Chambers Street, New York.

A I SALESMAN wanted to visit the Jobbing trade of New York and Pennsylvania. Liberal commission. Address L. L. W., care HARDWARE, No. 143 Chambers Street, New York.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

YOUNG man, 20, over four years' experience with manufacturing Hardware and ornamental iron concerns, desires similar situation; good penman. Can show best of references. Address A. B. H., No. 39 East 106th Street, New York.

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N Y.

ENGLISHMAN (27) requires situation as traveler—commission or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' experience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

EXPORT: A responsible, experienced man, speaking Spanish French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

SITUATION desired by a young man who has grown up in the retail Hardware business. Experienced as buyer for export or would travel or act as foreign representative for an export house. Address J. B. B., Box 192, Caldwell, N. J.

WANTED a position as traveler for Hardware Specialties, by a man of ability and experience; salary or commission. Address E. W., No. 1810 N. 13th Street, Philadelphia.

POSITION as traveling salesman. Pittsburg and West Pennsylvania, for Wire, Tin-Plate, Cast or Wrought Iron Pipe. Best of reference and long experience. Address Ernest C Beatty, Box 897, Pittsburg, Pa.

A YOUNG Englishman (23) desires position in Hardware or cutlery, eight years' experience; 2½ London. Splendid references Wholesale or retail. James R. Bayley, No. 97 Varick Street, New York

BUILDERS' and General Hardware and Rubber Goods.—Young man (34) with twelve years' experience and good executive ability, desires position. Thorough Bookkeeper, Correspondent, Salesman and Buyer. At present on the road. Competent to act as Manager or Agent for a reliable firm, as he is well known to the New York, Philadelphia and Eastern buyers Address "Cyclist," care HARDWARE, No. 143 Chambers Street New York.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as clerk or salesman Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No 143 Chambers Street, New York.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 Lafayette Avenue, Brooklyn, N. Y.

YOUNG business man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 23, desires position in retail or jobbing house. Five years' experience. Well acquainted with builders' Hardware, machinists' tools and cutlery. Can furnish best of references as to ability, etc. Address E. T. Barton General Delivery, Hartford, Conn.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mf'r, ISAAC CHURCH,
Send for Catalogue. Toledo, O

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"SOLID STEEL"
ROYAL ENAMELED COOKING UTENSILS.

WE ARE THE MANUFACTURERS.

The Cleveland Stamping & Tool Co., - Cleveland, Ohio.

Write for Catalogue and Prices.

Situations Wanted.

A SITUATION wanted by a young man twenty-eight years old, with ten years' experience as salesman. Good city reference can be given. G. A. K., care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

AN energetic young man who has filled every position in the jobbing, Implement and Hardware business from stenographer to manager desires to connect himself with some Eastern manufacturer either at factory or as representative at some point in this country. Address W. J. S., care HARDWARE, No 143 Chambers Street, New York.

A POSITION wanted either in the house or on the road, by a young man of ten years' experience in general Hardware and several years as traveling salesman in Pennsylvania, Maryland and West Virginia. Address C. W. Shires, Bedford, Pa.

YOUNG man, 25, desires position as assistant bookkeeper and general man in a Hardware concern. Can furnish A1 references as to ability, etc. Five years' experience in Hardware line. Address J. H., No. 412 Eighth Avenue, New York City.

A POSITION by a young man. Six years' experience in large builders' Hardware manufacturing concern. Well acquainted with builders' Hardware and estimate work. Discount, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as salesman, traveling or in store, of wholesale or retail general Hardware or cutlery house. Have had ten years' experience as buyer and head salesman in above lines, and will furnish the highest references. X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

AN experienced Hardware salesman, ten years on the road, desires a position with a first-class cutlery or Hardware house. Best of references as to character and ability. Address H. W., care HARDWARE, No 143 Chambers Street. New York.

SITUATION wanted by a man with twenty years' experience in the Hardware business. Thoroughly posted in builders' Hardware and house-furnishing goods. Will accept position in house or on the road. Address Brooklyn, care HARDWARE, No. 143 Chambers Street, New York.

BICYCLE DEPARTMENT.—A1 man of many years' experience, thoroughly well posted in regard to every detail of the bicycle business; first-class salesman, good advertiser and persistent hard worker would like charge of this department or is open to offers. C. C. L., care HARDWARE, No 143 Chambers Street, New York.

Side Line Wanted.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co, Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L, Room 1, No. 221 Fifth Avenue, Chicago, Ill.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

Agencies for Hardware Specialties Wanted.

AN old-established firm of advertising agents and contractors in the city of London, England, doing business with the leading advertisers of the United Kingdom, are open to accept sole agencies for the United Kingdom for embossed steel or enamelled iron goods, which are suitable for large advertisers, or any novelty in the advertising line for inside or outdoor exhibition. Apply by letter to C. A. H., Room 25, Times Building, New York.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No 143 Chambers Street, New York.

AN active, pushing salesman, having large acquaintance among Hardware, department stores, etc, in New York, Philadelphia and the South, desires to add a good line on commission. Manufacturer's agency preferred. Highest references. Address "Specialties," care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED an experienced partner with $3000 to take half interest in an established Hardware business in a growing town. Address, H. H. H., P.O. Box 2383, New York City.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

For Sale.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Address H. E. Colwell, agent; or E. Lambden, Jr., owner

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street, New York.

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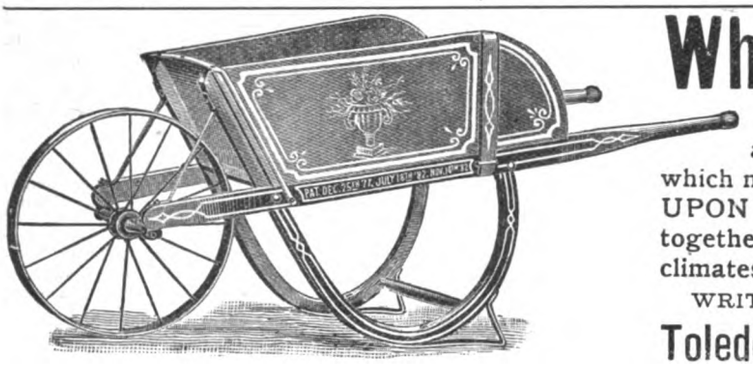
McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

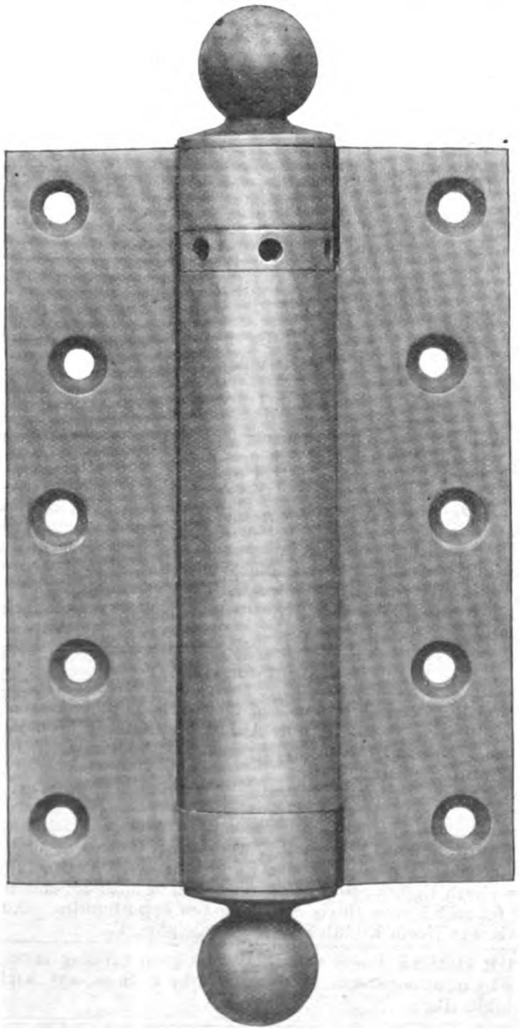


Wheelbarrows of all Styles, of all Grades of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.



NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 82 Chambers st. Boston, 200 Franklin St.
Chicago, 544 Unity Building
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
C. P. GOSS, Treasurer and Manager.

Scovill Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

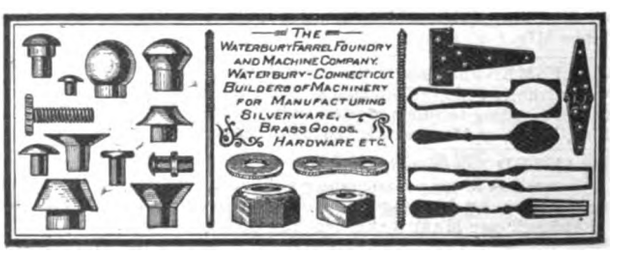
PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN

Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*



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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers $1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8.....1.50..P.E., 7.....1.50
20&2%
SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$1.75
Dust Shot, 5-lb bags, ₩ bag ....$ .40
POWDER—
Laflin & Rand:
Rifle xtra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 lb lots 10% discount.]
Blasting and Mining, A...25 lb 2.00
Blasting and Mining, B.. 1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb.....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb.....3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb.....1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb.....1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb.....1.35
Meal'd Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....1.50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton..... 9@9¾c
American "Horse-Shoe"..9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits25%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33⅓
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%
HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive.....25&10&10%
Sargent's Expansive.....20&10&10%
GIMLET BITS—
Diamond ₩ doz. $1.25.....45&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....2 @25&10%
Snell's.....25&25&10%

Awls—
Sewing, Common.....60%
Shoulder Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..35&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5 $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..35%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island .....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway .....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%
HATCHETS—
American Axe & Tool Co.40&10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—
Straight Spring balances.40&10@50%
Common 24 lb. ....₩ doz. 30c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Bal....40@40&10%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—
HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Kell & Son Trip Gongs...50%
DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....33⅓&10%
Gong, Yankee.....40&10%
Gong, Barton's .....40&10@60&50%
Crank, Taylor's.....25&10%
Crank, Brooks'.....20%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $35.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—
Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra..... 60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7¼x¾x1, ₩ doz. $11.00.....50%
9x¾x1, ₩ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz. $15 40@4 &10%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—
Domestic..₩ doz. $3...33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's..... 50%

Blind Fastenings and Tenons—
A Millers Falls ₩ set $.....20%
Bustin & Eddy ₩ gro. sets.....$5.50
Orhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1 00 .20@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75&10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&5%
Wrought Barrel.....75&10@80%
Wrought Square.....75&10@80%
Norwich Lock Mfg. Co. list 80%
Wr't Shutter, all Iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.60&5%
Wr't Sunk Flush, Sargent's list. 60&10%
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &C.—
Com. Jan 30, '95 70&10&5@70&10&10%
Genuine Eagle, list Oct. '94...80&10@ 80&10%
Phila. pattern, list Oct. 7, '94.....80%
R. B. & W., old list. .....70&10%
Machine list Jan. 30, '95. .....75&10%
Bolt Ends, list Jan. 30, '95.80@80&5%
TIRE—
Common, list July 1, '95.....70&10%
American Screw Co
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%
STOVE AND PLOW—
Stove.....70%
Plow.....60&10&10@70%
B. B. & W., Plow.....65%
MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....70%

Bone Mills—
Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....$5.50	$6.75.....	50%
Snell's. Rice's Pat.	5.50 6.75..	40& 10&10%
Jennings'.....	5.50 6.75.	5'@ 50&5%
Other Machines....	2.25 2.50	.....net
Phillips' Patent with Augers.....	7.00 7.50	....
Millers Falls.....	7.50	.... 25%

Bow Pins—
Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&5%
Peck, Stow & W. Co 60&10@60&10&10%

Braces—
Barber's.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5&10&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%

Amidon's:
Barker's Imp'd Plain..75&10@80%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $3.10; 10 in. $3.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&10&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net. ₩ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.70@70&10%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....90&20@90&25%

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Bull Rings—
Union Nut Co. 55%
Sargent's 60@70&10%
Seymour Smith & Sons, low list 30%
Humason, Beckley & Co.'s 8 @80&10%
Peck, Stow & Wilcox Co.'s 60@60&10%

Butcher's Cleavers—
Bradley's 25@30%
L. & I. J. White 35%
Beatty's 40&5@40&10%
New Haven Edge Tool Co.'s 40%
P. S. & W. 33⅓&5@33⅓&10%
Dunlap's Family 25%
Foster Bros. 30%

Bung Hole Borers—
Enterprise 25%

Butter and Cheese Tryers—
Ordinary 25%

Butt Gauges—
Stanley's 30&10%

Butts—
BRASS—
Wrought Brass 80&10@80&20%
Cast Brass, Tiebout's Fast Joint 60%
Cast Brass, Tiebout Ice House 40%
Cast Brass, Cortlin's Fast 33⅓&10%
Cast Brass, Loose Joint 33⅓&10%
Cast Brass, Francis Keil & Son 40%
Norwich Lock Mfg. Co. Bronse 30%
CAST IRON—
Fast Joint, Narrow 60@60&10%
Fast Joint, Broad 60&10@60&10&10%
Loose Joint 70&10@80%
Loose Joint, Japanned 75&10@80%
Loose Joint, Jap. with Acorns 75&10@80%
Parliament Butts 75&10@80%
Mayer's Hinges 70@70&10%
Loose Pin, Acorns 75&10@80%
Loose Pin, Acorns, Jap. 75&10@80%
Loose Pin, Acorns, Japanned Plated Tips 75&10@80%
WROUGHT STEEL—
List, April 1, '95.
Narrow, No. 8 0
Narrow, Loose Joint, No 802
Loose Joint, No 806
Reversible, No. 804
Broad, No 808
Table, No. 810
Back Flaps, No. 814
Square Back Flaps, No. 816
Pew Door, No 818
Chest, No. 820
Reversible, with Steeple or Ball Tips, Nos. 822, 823
Light Reversible, with Ball Tips, No. 822
Extra Light, No. 826
Light Reversible, No. 834
Light Loose Joint, No 836 } 75%
Wardle's Lever Pat. No. 837½
Light Narrow, No 838
Loose Pin, Light Narrow, No. 840
Light Inside Blind, No 842
Light Inside Blind, Beveled Edge, No 843
Light Inside Blind, Loose Pin, No. 844
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Hole, No 846
Light Inside Shutter, No. 848
Parliament, with Steeple or Ball Tips, Nos. 828, 829
Parliament, No. 831
Light Parliament, No. 833

Can Openers—
Messenger's Comet 9 doz $3.00, 25%
American 9 gross $17.00@$27.00
Dunlap's Iron Handle, No. 8 9 gr. $12.00. 25%
A. S. Henn 50&10%
Dunlap's Wood Handle No. 3 $1.75 35%
No. 8, Iron Handle 9 gr. $6 45@50%
Eureka 9 doz. $2.50 10%
Sardine Scissors 9 doz. $2.75@3.00
Dunlap's Sardine Scissors 9 doz. $5.00 25%
Star 9 doz. $2.75
Sprague, No. 1, $3.00; 2, $2.25; 3, $2.50 70%
World's Best, 9 gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00 50& 10%
Electric Rotary Expansive, 9 gr $9.00
Goodell's Acme, 9 gr. $8.00; 9 doz. 75c
Universal, 9 doz. $3.00 55&5%
Domestic, 9 doz. $2.00 45%
Champion, 9 doz. $2.00 50%
New Scott Mfg. Co.'s list 20&10%
Leavitt's Common Sense 9 gro $7.00 50%
Kohler's Cyclone 9 doz. 75c
Kohler's Lightning 9 doz. 90c
Moore's 75%

Cards—
Horse and Curry 20@25%
Cotton 2 @25%
Wool 2 @25%

Carpet Stretchers—
Cast Steel, Polished 9 doz. $2.25
Cast Iron, Steel Points 9 doz. 85c 20%
Bullard's 30%
Dunlap's 25%
Wm. Johnson's Socket 50%

Carpet Sweepers—
Bissell's:
Grand 9 doz. $36.00
Gold Medal 9 doz. $27.00
Prize 9 doz $27.00
Premier 9 doz. $27.00
Superior 9 doz. $27.00
Cosmopolitan 9 doz. $27.00
Furniture Protector, Japanned 9 doz. $24.00
Furniture Protector, Nickel 9 doz. $27.00
Inter Ocean 9 doz. $27 00
Hall 9 doz. $45 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1 9 doz. $21.00
Domestic, No. 2 9 doz. $22.00
Excelsior 9 doz. $22.00
Garland 9 doz. $18.00
Grand Rapids, Jap 9 doz. $24. 0
Grand Rapids, Nick. 9 doz. $27.00
Housewife's Delight 9 doz. $15.00
Improved Parlor Queen Japanned 9 doz. $24.00
Improved Parlor Queen Nickeled 9 doz. $27.00
Standard 9 doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 9 doz. in 5 doz. lots, $2.00 9 doz. in 10 doz. lots.

Casters—
Bed } 60&10@70%
Plate }
Shallow Socket }
Deep Socket 60%
Martin's Patent (Phœnix) 60@60&5%
Tucker's Patent, low list 50@50&5%
Yale Casters, list May, '84 0%
Yale Gem 70%
Giant Truck Casters 35%
Stationary Truck Casters 60%
Socket Truck Casters 60%
Swivel Truck 60&10&10%
Store 55%
Gwinner's Common Sense 50%
Gwinner's Hercules 50%

Catches and Turns—
Cupboard Catches 70&10&10%
Transom Catches 60%
Cupboard Turns 60%
Close Catches 70&10%
Screen Door Latches 70%
Screen Door Catches 50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches 50%

Cattle Leaders—
Coverts Saddlery Works 33⅓&5
Humason, Beckley & Co.'s 70&10@70&10&10%
Sargent's 70&10@70&10&10%
Seymour Smith & Sons 30%
Peck, Stow & W. Co. 66⅔&5
COW TIES—
American 60&10%
Triumph 33⅓&5
Covert's Horse and Cattle:
Jute 33⅓&5
Manilla 33⅓&5
Sisal 33⅓&5

Chain—
Trace, 6½-10-3, 9 pair $1.08 60&10%
Trace, 6½-10-3, 9 pair 95c 60%
Trace, 7-10-3, 9 pair $1.11 60%
Log, Fifth Stretcher, other fancy Chains 60&10&5@60&10&10&5%
German Coil 60&10%
German Halter Chain 60&10%
Oneida Halter Chain 60@60&5%
Covert's Rein Chains 33⅓&5
Covert's Breast Chains 33⅓&5
Covert's Hitching Chains 33⅓&5
Galvanized Pump Chain 9 lb 60
Jack Chain, Iron 75@75&5%
Jack Chain, Brass 60%
Plumbers 60%

Cherry Stoners—
Enterprise 25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W. } 80&80&10%
New Haven }
Witherby }
Mix }
C. E. Jennings & Co. 25%
Douglass 75@75&10%
Buck Bros. 30%
Merrill 60&10@60&10&10%
Jennings & Griffin Mfg. Co. 60%
Hinsdale 75&5%
L. & I. J. White 30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers 40&10%
Butchers' $4.75@$5.00 to £
Spear & Jackson's $5 to £
Buck Bros. 30%
C. E. Jennings & Co. 20%
Jennings & Griffin Mfg. Co. Drawing Knives 70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge 40%
Cold 60%
Box 60&10%

Chucks—
Beach Pat. each 3.00 20%
Morse's Adjustable, each $7.00 30@30&5%
Danbury each $6.00 30@30&5%
Syracuse, Balz Pat. 30%
Skinner's Pat. Drill Chucks 70%
Skinner's Ind't Lathe Chucks 3 %
Skinner's Pat. Comb. Chuck 40%
Drill 3 %
Star 25%
Barber 25%
Union Mfg. Co.:
Victor, No 1, $3.50; No. 2, $12.50 25%
Combination 40%
Universal 40%
Independent 40%
Whiton's
Combination 40%
Independent 50%
Cushman's:
Combination 40%
Independent 50%

Clamps—
R. I. Tool Co.'s Wrought Iron 25%
Adjustable, Cincinnati 25&10%
Adjustable, Hammers 15@15&5%
Cabinet Makers, Sargent's 70&10%
Carriage Makers', Sargent's 70@75&5%
Carriage Makers' P. S. & W. Co. 40&10%
Eberhard Mfg. Co. 40&5@40&10%
Warner's 40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's 30%
Jennings & Griffin 40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper) $3.50
Clarke's (Imported) 3.50
Albion L (for left hand) 3.50
Foxhall 3.50
Automat (centre fly nut) 3.50
Peerless (horse toilet) 4.00
Newmarket 2.50
Triumph (Ball bearing), horse toilet 4.00
Keystone (Ball bearing), centre fly nut 5.00
American (double cutting plate) 5.00
Lexington 3.50
Advance 2.50
Globe Reversible (Ball bearing) 6.00
Republic 3.75
Double Diamond (reversible plate) 5.00
Dictator 3.50
Empire 3.75
Regent Toilet (for horse) 3.00
La Belle Toilet (for horse) 3.00
} 25%

Clips—
Norway Axle 70@70&5%
Spring Bar Clips 70&10&10@70&10&10%
Superior Axle Clips 70@70 &5%

Coffee Mills—
Box and Side 60@60&10%
Am. Enterprise Mfg. Co. 25%
The Swift, Lane Bros. 30%
Wardell's New Box Mills, Ideal Brand, New List 60@60&10%
Logan & Strobridge Iron Co. 60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers 65%
Brown & Sharpe Micrometer 25&10%
Calipers, Wing 60%
Inside or Outside 65%
Double 65%
Call's Pat. Inside 55%
Stevens's "Ideal" 25%
Stevens's "Leader" 55%
Starrett's Fay's Patent Spring Calipers and Dividers 25%
Wright's Graduating 15%
Brown & Sharpe 20%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers 40%
Wing Calipers 70%
Inside, Outside and Double 70%
Registering 50%

Coopers' Tools—
Bradley's 20%
Barton's 20@20&5%
L. & I. J. White 20&5%
Albertson Mfg. Co. 25%
Beatty's 33 %
Sandusky Tool Co. 25&10@30&10%
Shaves, Cincinnati Tool Co. 20%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
Williamson's 33⅓&5
Detroit Cork-Screw Co. 33⅓&5
Howe Bros. & Hulbert 35%
Samson 9 doz $10.00

Corn Huskers—
Hubbard's Solid Steel 9 gr 6.00 33⅓
Perkins Boss:
Styles A and B, 9 doz. $2.40; E, $2.10; O, $3.00; Q, $2.25, 9 gro. $8.00; R, 9 gro. $20.00.
Wrist Supporters 9 doz. 75c
Mittens 9 doz. $1.50
Ashtabula 9 gro. $2.50
Brinkerhoffs 9 gro. $15.00
Buckeye 9 gro. $4.00
Cleveland 9 gro. $7.50
Johnson's 9 gro. $6.50
Universal 9 gro. $15.00

Corn Knives and Cutters—
Bradley's 10%
Wadsworth's 25@25&10%

Counter Sinks—
Adjustable 20%
Shepardson's Diamond 40@45%
Einwachters 60&10%
Wheeler's Patent 40%

Crayons—
Sargent's List 20%
Dixon's
Eclipse 9 gro. $3.75
Emerald 9 gro. 5.00
Oriole 9 gro. 5.00
Rainbow 9 gro. 2.81
Solid 9 gro. 7.50

Curry Combs—
Spring, Japd 9 doz $1.75; Blued, $2.25; Nickeled $4.00.
Rubber, 9 doz. $7.00 20%
Perfect 33⅓
F. E. Kohler & Co.'s Magic Oscillating 9 doz. 2.00
F. E. Kohler & Co.'s Humane 9 doz. $1.75
Gibbs' Magnetic per doz. net $1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $3.00, doz. 40&10%
Nickeled Shank 4 4½
$1.25 $1.48
5½ 6 7 inches
$1.73 $1.85 $2.35, doz. 40&10%
Buffalo Damper Clips 40&10%
Crown Damper 40%
Excelsior 40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment) 40%
Leather (full assortment) 50&10%
Medford Fancy Goods Co. list 40%
Keystone Mfg. Co.:
Low List 50%
Leather Muzzles 50&10%

Door Checks—
Bardsley's 20%
Sargent's Eclipse 55%
Shaw's 40%
Unity F. G. 50%
Quinn's Royal 50%

Door Openers, Electric—
Electric Door Opener, complete $9 50&10%
Thaxter Electric Lock, list $25.00
SPARK COIL—
Stanley & Patterson $4.00 50%
Stanley & Patterson "Daisy" $1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1892 33⅓%

Door Springs—
Torrey's Rod, regular size 9 doz $1.40
Bee Rod 9 gr., $20.00 20%
Warner's .5@55&5%
Gem (Coil), list April 19, 1886 20& 20%
Star (Coil), list April 19, 1886 20&10%
Foster's (Coil) 20%
Champion (Coil) 55& 10@55&10&5%
Cowell's No. 1, 9 doz, $18.00; No. 2, $15.00 5 @50&10%
Rubber, complete, 9 doz. $5.50. 66⅔@70%
Quinn's Royal 50%

Drawer Pulls—
Sargent's List 60%

Drawing Knives—
Witherby } 80@80&10%
Jennings & Griffin }
P. S. & W. }
Mix }
New Haven }
Merrill 60&10@80&10&10%
Douglass 75@75&10%
Watrous 15 1 @25%
L. & I. J. White 2 &5@5%
Bradley's 35%
Adjustable Handle 25@33⅓%
Wilkinson's Folding 25@25&5%
Hinsdale 75&5%

Drills and Drill Stocks—
Blacksmiths' each $2.25
Breast, P. S. & W. 33⅓&10%
Breast, Wilson's 30&5%
Breast, Millers Falls 25%
Breast, Bartholomew's each $2.50 25&10@40%
Ratchet, Merrill's 20@20&5%
Ratchet, Ingersoll's 25%
Ratchet, Packer's 65%
Ratchet, Whitney's 20&10%
Ratchet, Weston's 20@25%
Ratchet, Moore's Triple Act. 25@30%
Ratchet, Billings' Dble. Acting 33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00 20&10%
Wilson's Drill Stocks 10%
Automatic Boring Tools $2.00, 25%
Stearns' Bench 60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover 9 doz $3.00 60%
National, 9 doz $4.50 33⅓%
Family (T. & S. Mfg. Co.) 9 gro $17.00 @$18.00
Duplex (Standard Co.) 9 doz $1.25
Rival (Standard Co.) 9 doz $1.00
Duplex Extra Heavy (Standard Co.) 9 doz $3.50
Triumph (T. & S. Mfg. Co.), 9 gro $10.50 $11.00
Ayre's Spiral 9 gro $ 5.00
Paine, Diehl & Co.'s Keystone 33⅓%

Emery—

	No. 4 to No. 54 46 gr.	150 gr.	Flour, CFFF.
Kegs, 9 lb.	4½c	5c	2½c
½ kegs, 9 lb.	4½c	5½c	2½c
¼ kegs, 9 lb.	5c	5½c	3c
10 lb cans, in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890 60%
Brass 65%

Enameline—
No. 4, 9 gro $4.50
No. 6, 9 gro $7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890 60%
Brass Thread 65%
Wood 25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key 40%
IXL., 1st quality, Cork Lined 50%

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Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat.. Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....35%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....20%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3.5	$4.00
Dairy Pails, 14 qt.	$3.33..	4.00	
Fire Pails, No. 2, 14 qt.	$4 00	3.50	
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prism Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x, 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5 50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3. 0	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spit toons, etc)	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Display," 8 inch (pressed)	3.50	4.00	4.50
Spittoons, 10 and 11½ inch	4 50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—

DOMESTIC—

Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c & @50 & 10%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagle.....60&10&10@70%
American.....60&10& 5@70%
New York File Works.....60&10&10%
Other makers best brands.60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't&5010%

IMPORTED—

Moss & Gamble, List April 1, 1883.15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—

Seed's Water Filters:
A 1, No. 2, No. 3, No. 4,
$4.50 $2.50 $1.75 $ .90 ₩ doz.

Fish Hooks—

American Fish Hook Co., list.....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Scissors—

List.....45%

Fly Fans—

Columbia.....10%
Fowlers ₩ doz.....$21.00
Keyless M. & I. Co. ₩ doz.....$21.60

Forks—

Hay, Manure, &c., Asso. List.....70%
Hay, Manure, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Ohio.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fry Pans—

Standard List:

No.	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co.....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stube' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&25&5%

Glue Pots—

Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent.....70&10%
P. S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Saddlery Works, List 1892.
Rope, ⅛ in. Jute.....
Rope, ⅛ in. Hemp.....
Web and Rope Halters..... 40%
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
Upson & Wooding.....40%

Hammers—

HANDLED HAMMERS—

Maydole's.....35%
Buffalo Hammer Co.... 40&10@50&
Humason & Beckley... 10%
Atha Tool Co.....
C. Hammond & Son. List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.35, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....30@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ₩ doz.....
Nos. 1, $3; 2, $3.....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $9.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔..... ₩ ℔ 45c
3 to 5 ℔..... ₩ ℔ 36c 75@75&10%
Over 5 ℔..... ₩ ℔ 30c
Wilkinson's Smiths...10½c@11c ₩ ℔

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.15	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES.—

Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 8.00
Worcester Leather Cap'd Chisel.25%
File, assorted..... ₩ gr 2.75
Auger, assorted ... ₩ gr 5.00 30@
Auger, large..... ₩ gr 7.00 30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'.... ₩ set $1.25
Pat. Auger, Swan's..... ₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—

Atkins' No. 1 Loop, ₩ pair, 28c.; No. 8, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—

Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ₩ dos. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....60&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ₩ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 66¾c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓&
Moore's Elevator.....33⅓&
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning. Mfrs' price ₩ doz $18.00.45%
Gem..... ₩ doz $10
Wadsworth's.....40%
Carter's Needle.. ₩ doz $11.50@$12.00
Heath's..... ₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay..... ₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T.....80%
Corrugated Strap and T.....80%
Hart's Pat. Heavy Strap.....80%
Screw Hook and Strap. 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hood. 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70& 10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔.....$4.75

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....20%
J. S.....25&10%
Empire and Crown.....20%
Stover Ideal ₩ gro.....$13.00
New Idea ₩ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting...35@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@20%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....60%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....30%
Rubber.....66⅔%

GATE HINGES—

Western..... ₩ doz $4.40, 60%
N. E..... ₩ doz $7.00, 55%
N. E. Reversible. ₩ doz $5.30, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State..... ₩ doz $5.00, 55&10%
Automatic..... ₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense.. ₩ dos pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges... ₩ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—

Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&25%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 3, 5, 40 and 50.....30%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....30%
Buffalo.....30%
Clark's Genuine Pattern.....30%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2½, 3.....75&10&5%

Hoes—

HANDLED—

Garden, Mortar, &c.....70%
Planter's Cotton, &c.....70%
Warren Hoe.....65%
Magic..... ₩ doz $4.00
Dunlap's:
Boys' hoes..... ₩ doz $3.00, 30%
Ladies' hoes..... ₩ doz $3.00, 30%
Scuffle.....30%

EYE—

D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&10&5 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Reed & Barton.....
Meriden Britannia Co.....
Simpson, Hall, Miller & Co.. 40&5%
Rogers & Brother.....
Hartford Silver-Plate Co. 40&5&5
William Rogers Mfg. Co.

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Hooks—

CAST IRON—

Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list. } 60&10&10%

Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—

Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—

Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&5

WIRE—

Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....30&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's: 8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—

Dunlap's Merchandise.....35%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moore's Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	28c	26c	25c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	28c	26c	25c	24c	23c.	40&10&5&2%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n	25c	23c	23c	21c	20c.	25@25&5%
A. C.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c.	21c	40&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champlain	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	15c.	10&5%
Anchor	23c	21c	20c	19c	18c.	35%
Western	23c	21c	20c	19c	18c.	50%
Empire Bronsed	13@14c ₩ ℔					

Horse Shoes—
See Shoes.

Hose, Rubber—

Boston Belting Co.:
"Imperial".....80&5%
"Boston".....60&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Husking Gloves—

Blair Husking Glove Co.:

No. N. H. G. Gloves	₩ doz.	$12 00
No. 125 Gloves	₩ doz.	4.50
No. 125 Gloves	₩ doz.	6.00
No. 15 Gloves	₩ doz.	9 00
No. 155 Gloves	₩ doz.	8 00
No. 146 Gloves	₩ doz	9 00
No. 5 Gloves	₩ doz.	7 50
No. 142 Gloves	₩ doz.	7.00
No. 1 8 Gloves	₩ doz.	6 00
No. 052 Gloves	₩ doz.	8.00
No. 147 Gloves	₩ doz.	4 50
Wrist Supporters	₩ doz.	.75
No. 160 Husking Pin	₩ gro.	7.00
No. 165 Husking Pin	₩ gro.	10 50
No. 170 Husking Pin	₩ doz.	2. 0

Ice Chippers, &c.—

Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—
See Screws.

Kettles—

SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3 60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen..	$14.40	$15.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen..	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen..	$45.34	$79.20	$108.90	$136.62	
Each...	5.45	6 60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen..	$14.40	$18.00	$20.64	
Each...	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen..	$23 40	$27.00	$32 40	
Each...	1.95	2.25	2.70	

Keys—

Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—

Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread KnivesAss'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—

Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—

Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—

New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—

Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler:
No. 1, No. 2, No. 3,
₩ doz $12.00 $ 5.00 $24.00 40%
No. 4, $7.00 each..... 33⅓&5

Lemon Squeezers—

Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $3.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00: 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—

Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—
See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 24 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—

DOOR LOCKS, LATCHES, &C.—

R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delta Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—

Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—

Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—

List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 1 0 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 81 line.....60%
No. 457.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—

Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—

Regular list.....60&10%

Meat Cutters—

Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$3.75	$4.00

Enterprise.....35%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&35%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$285

.....20@25%
Beef Shavers (Enterprise).....30%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter. ₩ doz $66.00

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—

Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list, 50& 10&10%
Porcelain Head, Comb'n list..40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—

Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point₩ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Blake's Pattern, ₩ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—

Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T.....4.80c
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔, net.
Tapped.....10%

Oilers—

Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c
Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1¾ to 2¾ to ⅝ at back, ½ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ ℔.....24
" 2x2x½, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔.....2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔.....3.50
No. 1, 8 to 12x1¾ to 2½x¾ to 1¼, ₩ ℔.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅛ to ⅝ ₩ ℔.....4.0

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No. 2, assorted sizes, ₩ lb..... 2.0
Discount 33⅓&.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 2.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .06
Washita Finish, about 8x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x¼ to 1 ₩ lb..... .10
Special Axe, 2½x1½x¼ ₩ lb... .18
Pike's Sandstones:
Small, 8x1½x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8½x2x1¼, weight about 1½ lb, ₩ lb..... .05
Large, 8½ to 9x2¾x2, weight about 2 lb, ₩ lb..... .08
Small table, 9 to 9½x3½x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓&.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston" 60%
"Excelsior" Self-Vulcanising, per lb 70c.....40%
Boston "Phoenix" Red Sheet, per lb..... 50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...25%
N.Y.B. & P. Co., 1846-Para....40&10%
N.Y.B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....60&10%
Standard .....60&10%
Extra.....50&10%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard....₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute .....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin .....₩ doz 5.25
Bonanza .....₩ doz 5.00
Daisy .....₩ doz 4.00
Dandy .....₩ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite .....₩ doz 5.00
Ideal .....₩ doz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.50
Monarch .....₩ doz 12.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection .....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00.....20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 12.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding 50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving..... .....40%
Fales Bench 20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....20%
Miscellaneous 25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes....40@40&10%
Sargent's .....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle".....
Ohio .....
Sandusky.....
S. & I. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....20%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5¼ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls 33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or square,
1 qt.. ₩ doz. $.00; ₩ gr. $8.00 } 10@
1½ qt. ₩ doz. $1.00; ₩ gr. $9.0 } 15%
2 qt , ₩ doz. $1 50; ₩ gr. $14 00 }
Quincy corn Popper, 1 qt., ₩ doz. $1 00; 2 qt ,$4 00.....33⅓%

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $16.00, 25%
Disston's Pruning Hook.....₩ doz $12.20, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz. 25%
Levin Pruner, No. 2, $12.00 ₩ doz. 25%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig 328, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15.00
No. 5, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump..... $17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Wel Pump..... $15.00
No. 32, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump $14.00
No. 9, Fig. 332, 3½ in. Shallow Well Pump $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump..... $15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15 00
No. 73, Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 118, Fig. 448, 3½ in. Lift Pump..... $12.00
No 128, Fig. 510, 3 in. Lift Pump..... $7.00
No 131. Fig. 510, 3½ in. Lift Pump $8.00
No. 225, Fig. 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $13.50
No. 2 5, Fig. 403, Windmill Pump..... $14.50
No. 240, Fig. 406, Regulator Pump..... $30.00
No. 280 Fig. 4?4, Imperial Cyclone Pump..... $18.00
No. 265, Fig. 5?2, Cyclone Tank Force Pump..... $ 7 00
No. 267, Fig. 488, Geyser Tank Force Pump..... $ 7.00
No. 268, Fig 513, Low Down Tank Force Pump..... $16 00
No. 3?2, Fig. 477, Spray Pump complete..... $11.50
No. 820 Fig. 492, Bucket Spray Pump..... $5.50
No. 33 , Fig 547, Knapsack Spray Pump..... $10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz., 60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket 65
Bemis & Call Co.'s Spring and Check 50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronsed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ⅛ ¼ ⅜ Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot....50&5%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz. net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 2. net ₩ doz. $5.80
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..25%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth. " " $2.40; No. 2 $2.10
Lawn, 22 teeth, $2.15; 24 teeth, $2.15
Sawdust.....$1.5
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis Kell & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Norway, list July 1, '95.....65%
Coopers.....65%
Block.....65%
Carriage.....65%
Hame.....65%
Burrs.....65%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list.60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger.₩ lb 7¾c
Manilla, ⅜.....₩ lb 8¼c
Manilla, ¼ and 5-16.....₩ lb 8¾c
Sisal, 7-16 and larger.....₩ lb 5¾c
Sisal, ⅜.....₩ lb 6¼c
Sisal, ¼ and 5-16.....₩ lb 6¾c
Sisal Lath Yarn, medium ₩ lb 5¼c
Cotton Rope.....₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 5½c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
1½% for cash in 10 days.
Cotton Rope.....₩ lb 11@12c net
Jute Rope.....₩ lb 5@6c net

Rules—
Boxwood.....30%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....35&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$2.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England.....8c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....20%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net.....$3.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper. .....50&5%

Sash Chain—
Giant 40%
Monarch 50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—
Common .....₩ lb 10@ c
Jute, good quality.....₩ lb 11c
White Cotton Braided, fair. ₩ lb 25c
Common Russia Sash.....₩ lb 16c
Patent Russia Sash.....₩ lb 15c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Cable Laid Sash.....₩ lb 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....25%
B Quality, White.....40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26¼c @ 28c
Sylvan Spring:
Extra Braided White.....35c
Extra Braided Drab.....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....56c
Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size....₩ doz. $1.20. 40%
Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. Pt'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances..25&5&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security.....70%
Sash Weights—
Solid Eyes.....₩ ton $22.50
Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%
Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back..45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%
HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%
Saw Frames—
Star Hack.....25%
White Vermont..₩ gro. $9.50@$10.00
Red, Polished and Varnished..₩ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet. 40%
Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 8 and 4, $22.00; No. 5, $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....20&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..20&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold.....₩ doz., $15.00, 50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%
Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped..$2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's. ...33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%
Scale Beams—
Scale Beams, List Jan. 12, '92..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%
Scrapers, &c.—
Adjustable Box Scraper (S. R. & L Co.) $6.50.....30&10%
Box, 1 Handle.....₩ doz., $4.00, 10%
Box, 2 Handle.....₩ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@60%
Ship Common.....₩ doz., $3.50 net
Ship, R. L Tool Co.....10%
Screens—
Phillips:
Bonanza Screens.....60%
Perfection Screens.....6 %
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%
Screen Doors—
Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30&35%
Standard Oil.....35&40%
Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5&5%
Disston's Pat. Excelsior.....5&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty C..50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ₩ doz. 38⅓&2%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 70@65c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12. 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
13½ A.....70&10%
13½ Extra.....70%
13½ Ebonized Handle.....70%
14½.....75%
14½ Ebonized Handle.....70%
Screws—
WOOD SCREWS—List, July 1, '95.
Bright Flat Head Iron.....87½%
Brt'd & Oval Head Iron..82½&10%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....87½%
Round Head Brass.....82½&10%
Flat Head Bronze.....82½&10%
R'd and Ovel Head Bronze..80&1 %
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....6 %
Round Head Copper.....60
Rogers Drive Screws.....87½%
MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%
BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ₩ doz $2.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....30&35%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5 &10%
Jack Screws, Millers Falls, without Roller Bearing.....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%
Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes Scroll Saw Blades.....35%
Scythes—
Grain.....40&5@40&10%
Grass.....40&10%
Seeders—
Enterprise Raisin.....25%
Shears—
Ætna, Steel Japanned.....30&20%
Ætna, Steel Nickeled.....70&30%
Davenport Cutlery Co.'s Pat Bolt.30%
American (Cast) Iron.....75&10&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning. See Pruning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net
Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 15, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&5
Sargent's list.....60&10%
Reading list.....60&10&10%
Shells—
See Ammunition.
Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bosa, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ D 7¼c
Perkins Improved Snow.....₩ D 4c
MULE—
Add $1 ₩ keg to above prices.
OX, WROUGHT—
Ton lots.....₩ D 9c
1000 D lots.....₩ D 9½c
500 D lots.....₩ D 10c
Shot—
See Ammunition.
Shovels and Spades—
Ames' Shovels, Spades, &c.....30%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....30@30&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%
Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%
Sifters, Flour—
Hunters.....₩ doz. $2.00
Slaw Cutters—
Enterprise.....25%
Slicers—
Enterprise Vegetable.....25%
Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd.70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....80%
Cockeye.....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps
Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....25%
Wm. Johnson's:
Wood, 1st.....30%
Wood, 2nd Quality.....33⅓%
Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@50%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co. 40 &15&10&10
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....30%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash
Springs—
See Door Springs.
Squares—
Steel and Iron.....
Nickel-Plated..... } 30%
Try Square and T Bevels. 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....30@35%
Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....30%
Hooks and Staples.....80&25&10%
Extra Heavy.....30%
Hasps and Staples.....80&25&10%
Extra Heavy.....30%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....30&10%
Norway Iron Clinch.....30&10%
Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....30@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%
Stones—
See Oilstones.
Stops—
See Bench Stops.
Stove Polish—
See Polish, Stoves.
Sweepers—
See Carpet Sweepers.
Tackle Blocks—
See Blocks.
Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....62½%
American Cut Tacks.....62½%
Swedes Iron Tacks:
S. S.....62½%
Lanc.....57½%
Upholsterers' Tacks:
S. S.....66⅔%
Lanc.....62½%
Gimp Tacks:
S. S.....66⅔%
Lanc.....62½%
Lace Tacks:
S. S.....62½%
Lanc.....57½%
Trimmers' Tacks:
S. S.....55%
Lanc.....50%
Looking Glass Tacks.....33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....62½%
Berry Box Tacks.....62½%

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Trunk Tacks:
S. S 66⅔%
Lanc 62½%
Miners' Tacks, S. S 66⅔%
Bill Posters' and Railroad Tacks:
S. S 66⅔%
Lanc 62½%
Brush Tacks and Nails:
S. S 55%
Lanc ..... 5 %
Hungarian Nails 57½%
Common and Patent Brads 50%
Finishing Nails 57½%
Trunk and Clout Nails 57½%
Basket Nails 50%
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 3-4% & 2% cash.
F. H. Cobbler Nails:
4 to 8 in., and shorter, ₩ 100 lb $20.60
⅝ in. and longer, ₩ 100 lb ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No 18 & 19. 17 & heavier.
2 3-8 & 2¼-8 in. $60 0 $41.20
3-8 & 3½-8 in. 51.50 35.15
4-8 & longer, 41 20 33.45

MISCELLANEOUS—
Double Point ... 85& 10@85&10& 0%
Wire Carpet Nails. 60& 10@60 & 10& 10%
Bill Nye Brad Box $4.00
Bonnie Blue ..... ₩ box $1.50
Claw Handle Carpet ... ₩ gr $1.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $2.00. 10 & 2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5 & 2%.
Paris and Tilt Nails, carton 50%
Plymouth Rock Tacks. 66⅔& 33⅓& 2%
Miniature Keg Tacks. 66⅔& 33⅓& 2%
Upholsterers' Nails ..... 5 & 10%

Tack Pullers—
Columbia, No. 1, per doz., net $1
" " 2, " " .. 1.50

Tape—
American Screw Co.
Machine Screw 60%
Hand and Machine ..... 50& 10%
Pipe 30%
Blacksmiths' Taper ..... 50& 10%

Tin, Perforated—
Harrington & King Perforating Co: IC 14x20, 112 Sheets in Box

Numbers.	Per Box.	Per Doz.
1	₩ 45	$1 50
2	$3 90	$1 55
3	$3.35	$1 35
4	$3.80	$1 30
5	$3.25	$1.20
5½	$ .25	$1. 0
6	$2.95	$1 15
7	$2 85	$1.10
8	$2.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) .20& 5%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss" 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887. 70& 10@70& 10& 10%

Trammel Points—
Cook's 35%
Stanley's ..... 30& 10%
Tower & Lyon 33⅓%
Jennings "Eureka" 25%

Tracks, &c.
F. E. Myers & Bro.:
Rev. Car, Double Steel Track $3 50
Comb. Car, Double Steel T... $3.50
Sing e rail Car, Single Steel T. $3 50
Rev. Car, Wood Track $3.25
Comb., Car., Wood Track $3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete. Steel or Wood Track. (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps. ₩ ft ..... .09
Single Rail Steel Track with clamps. ₩ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1 50
Walker Fork, each $1 15
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each ... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 485. ₩ doz $2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 8. ₩ doz $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz $1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz $2.00
Floor Hooks, ¾ in ₩ doz ..... .65
Hanging Hooks for Double Steel Track, ₩ doz ..... .60
Hanging Hooks for Single Steel Track, ₩ doz ..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz ..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz ..... .55
Wrought Rafter Brackets, ₩ doz ..... .45
Malleable Rafter Brackets, ₩ doz ..... .45
Rope Hitch ₩ doz $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida:
Newhouse ..... 40& 10%
Hawley & Norton ..... 70& 5%
Victor ..... 70& 10& 5%
All Steel 75%
Star ..... 50& 10%
Blake's Patent ..... 40& 10& 5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 80& 10%
S.T. ..... ₩ doz $6.00, 20%
Mouse, Round Wire. ₩ doz $1.50, 20%
Mouse, Cage, Wire. ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza ..... ₩ gr $10.00
Mouse, Ideal ..... ₩ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer ..... ₩ gr $9.50
Rat, Keystone ..... ₩ gr $10.00
Rat, Exterminator ..... ₩ gr $12.00
Rat, Decoy ..... ₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse 50%
Improved Rat 40%
New Rat 40%
Schuyler:
Mouse, ₩ gross $18.00 ..... 50%
Rat, ₩ gross $30.00 ..... 50%
Household ..... ₩ gr $10.00
Elie Rat 50%
FLY—
Balloon ..... ₩ gr. $13.50
Electric Rod ..... ₩ gr. $16.50
Globe ..... ₩ gr. $13.50
Harper ..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering. 25%
Pesce's Plastering 25%
W. & McP. Plastering. 25%
Richardson 25%
Rose's Brick ..... 15@20%
Brade's Brick 30%
Sargent's Garden, No. 1 ..... 70%
Sargent's Garden, No. 15 ..... 50%

Vises—
Solid Box ..... 60& 10%
PARALLEL—
Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' ..... 20@10%
Holland's ..... 40@45%
Parker's ..... 30@25%
Wilson's 55%
Alligator 50%
Howard's 40%
Massey's Quick Action ..... 20& 2%
Bonney's ..... 40& 10%
Millers Falls ..... 40@40& 10%
Trenton ..... 40& 5@40& 10%
Merrill's ..... 15@20%
Sargent's 50%
Backus and Union 40%
Prentiss' ..... 30@25%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench ..... 25& 10& 5%
SAW FILERS—
Bonney's Nos. 2 & 8, $15.00 .... 40& 10%
Stearn's 40%
Stearn's Silent Saw Vises .... 30& 10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone ... ₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co. 40%
Clayton's ..... 25& 10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90& 10%
Market:
Brt. & Ann., Nos. 0 to 18 ..... 72½%
Cop'd, Nos. 0 to 18 ..... 70%
Galv., Nos. 0 to 18 ..... 62½%
Tin'd, Tinned list Nos. 0 to 18. 62½%
Tinned Broom Wire .... 5½c net
Galvanized Fence 65%
Malin's Annealed and Tinned on Spools ..... 60& 5%
Malin's Brass and Copper on Spools ..... 50& 5%
Annealed Fence, Nos. 8 and 9 .... 75%
Annealed Grape, Nos. 10 to 14 .... 75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass 55%
Brass, list Jan. 18, 1884 ..... 30%
Copper, list Jan. 18, 1884 ..... 35%
Barb Fence ..... See Trade Report
Cast Steel Wire 50%
Stub's Steel Wire ..... $6.00 to 2 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted ..... 80& 10%
Picture Wire ..... New list 80& 15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft. $1.45
Galvanized Wire Netting ..... 80& 10%
Brass Cloth ..... 40@55%
Steel Bolting Wire Cloth ..... 30@55

Wire Rope—
List, May 1, 1886.
Iron ..... 33⅓& 2½%
Iron, Galvanized ..... 40& 2½%
Cast-steel ..... 40& 2½%

Wire Rope Clips—
Crosby 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy 50%
Alligator ..... 40& 10%
Hercules 70%
American Adjustable 40%
Armstrong's 40%
Baxter's Adjustable "S" 60%
Baxter's Diagonal 60%
Coes' Genuine 50%
Coes' "Mechanics'" ..... 50& 10& 5%
Girard Standard 70%
Lamson & Sessions' Engineers' 60& 10%
Lamson & Sessions' Standard 70& 10%
Coes' Pattern Wrought ..... 60& 5%
Eagle Pipe 50%
Taylor Pipe and Nut 40%
Stillson Pipe 45%
Trimo Pipe ..... 50& 10%
Wakefield Pipe and Nut 40%
Bemis & Call's:
Patent Combination Black 40& 10%
Patent Combination Bright. 40& 5%
Brigg's Pattern ..... 80& 10%
Cylinder Gas Pipe ..... 45& 5%
No. 8 Pipe 55%
Aiken's Pocket (Bright) $6.00 ..... 60%
Boardman's 30%
Always Ready ..... 33⅓@5%
Champion Carriage 40%
Dononue's Engineer 35%
Trimo Combination 40%
Cincinnati Tool Co:
Bit ..... 25& 10%
Standard Brace ..... 25& 10%
J. H. Williams 25%
Lowell Ratchet 33⅓%
Lowell Socket Bridge 30%
Lowell Lag Screw 25%
Yankee 45%
Expert Bicycle ..... 33⅓& 10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$34.00
No. 30 Erie, 11 inch	37.50
No. 55, King, 11 inch	33.25
No. 45, King, 10x1¾ inch	26.00
No. 65, King, 11x2 in h	32.00
No. 2, "Zig" 10 inch	15.50
No. 2, Zenith, 10 in h	16.50
No 3, Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99 Pittsburg, 11x2 inch	31 00
No. 88, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	32.00

Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches 21.00
No. 11 Rolls, 11x1¾ inches 25.00
No. 12 Rolls, 12x1¾ inches 29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 57c
Linseed City, Boiled, " ₩ gal. 6 c
Out of Town or Spot ..... ₩ gal. 56c
Calcutta, Raw, in bbls .... ₩ gal. 56c
Lard ..... 1¼@6 85

Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$23 00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ lb 5 @5½c
White Lead, American, in Oil, ₩ lb ..... 5 @5½c
White Lead, English, in Oil, ₩ lb 5½@7 c
Litharge, American Powdered, ₩ lb ..... 4¼@4¾c
Litharge, English Flake, ₩ lb 8½@9 c
Litharge, Glassmakers', ₩ lb 5¼@6 c
Zinc, American, Extra Dry, ₩ lb 3¾@4¼c

Putty—
Putty in Bulk ..... $1.45@$1.75
Putty in Bladders ..... $1.65@$2 00
Putty in Tins ..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal 33c

Colors in Oil—
Black Coach Japan ₩ lb .. 18½@20 c
Black Coach Japan in Oil ..... ₩ lb 12 @13 c
Black Drop ..... ₩ lb 7½@10 c
Black Lampblack, prime, ₩ lb 27½@33 c
Black Lampblack, medium ..... ₩ lb 15 @20 c
Black Lampblack, 2d quality ..... ₩ lb 13 @19
Black, Lampblack, low grade ..... ₩ lb 6½@10 c
Blue, Chinese ..... ₩ lb 35 @40 c
Blue, Prussian ..... ₩ lb 20 @ 0 c
Blue, Ultramarine .. ₩ lb 13 @16 c
Brown, Vienna, bur't ₩ lb 7 @10 c
Brown, Sienna, raw. ₩ lb 7 @10 c
Brown, Umber, bur't ₩ lb 7 @10 c
Brown, Umber, raw. ₩ lb 7 @10 c
Brown, Vandyke .... ₩ lb 7 @11 c
Green, Chrome ..... ₩ lb 8 @14 c
Green, Paris .. .. ₩ lb 16 @21½c
Red, India ..... ₩ lb 12 @15 c
Red, Venetian ..... ₩ lb 4½@ 8 c
Yellow, Chrome .... ₩ lb 13 @18 c
Yellow, Ocher, French ₩ lb 4½ c

TROY DAMPER.

MADE OF

18 GAUGE STEEL.

All Defects in other Dampers removed in this one.

TIME TESTED.

ONE HOLE IN PIPE.

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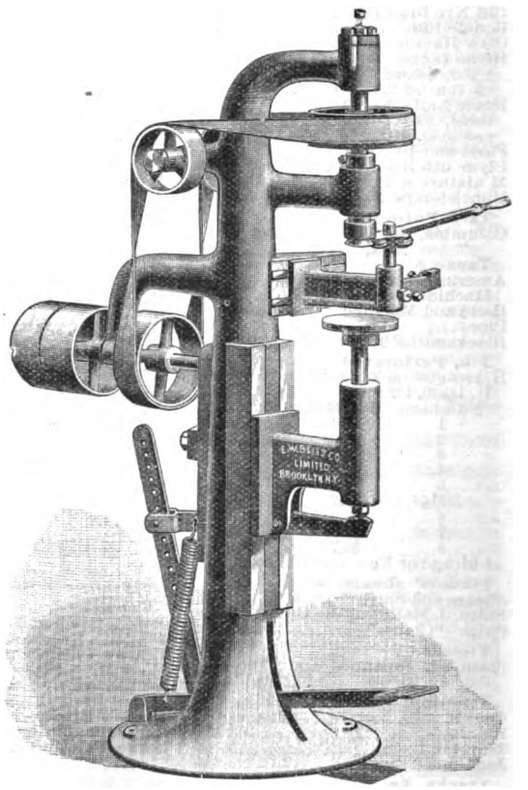
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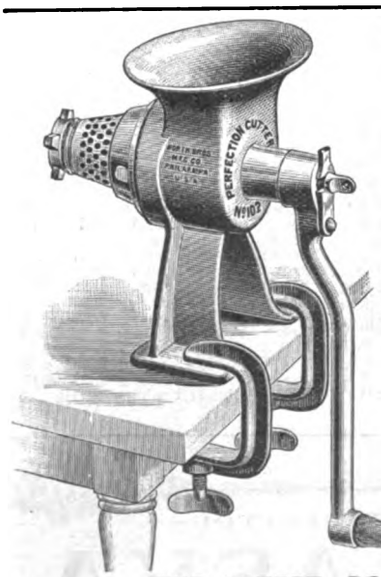
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Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co., Hamilton, O.
T. W. Houchin, New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Boston.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Menders.
C. E. Hudson & Co., Leominster, Mass.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Husking Goods.
Blair Husking Glove Co., Bucyrus, Ohio.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
F. & N. Mfg. Co., Richmond, Ind.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
American Lead Pencil Co., New York
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, New York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Billings & Spencer Co., Hartford, Conn.
Boston Gear Works (Gears only). Boston.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

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Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

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Kilmer Mfg. Co., Newburgh, N. Y.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
American Lead Pencil Co., New York
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Planes.
Samuel I. Goodall Co., Philadelphia
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Bellevue Pump Co., Bellevue, Ia.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

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Ashtabula Too Co., Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
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Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury Conn.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington Conn., and New York
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd, New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sample Holders.
Massey & Thompson, Monroe City Mo.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Balances.
Richmond Safety Gate Co., Richmond, Ind.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Bruce R. Ware & Co., Boston.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
American Saw Co., Newton, N. J.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading Pa.

Scissors Sharpeners.
Eastman & Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.

Sifters, Furnace, etc.
Lackawanna Sifter Co., Cleveland, Ohio.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

Snow Guards.
Folsom Snow Guard Co., Boston.

Solder.
Bruce & Cook, New York.

Solid Steel Ware.
Cleveland Stamping & Tool Co., Cleveland O

Scotene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Sabin Machine Co., Montpelier, Vt.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoneware.
F. H. Weeks, Akron, O.

Stove Boards.
Hall Bros. Mfg. Co., New York.

Stove Pipe.
Grauge Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
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Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Thill Coupling Spring.
Sabin Machine Co., Montpelier, Vt.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
E. C. Atkins & Co., Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.
G. L. Van Namee Mfg. Co., Gouverneur, N. Y.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Twines.
Bruce R. Ware & Co., Boston.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Charles Morrill, New York.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

Wheelbarrows.
Bryan Mfg. Co., Bryan, Ohio.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Window Screens.
Edward Darby & Sons, Philadelphia.
John H. Graham & Co., New York.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Kilmer Mfg. Co., Newburgh, N. Y.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
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Gilbert & Bennett Mfg. Co., New York and Chicago.
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E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
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Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Lathing
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Atlas Tack Corporation, Boston
Bruce & Cook, New York.

Wire Rods.
Kilmer Mfg. Co., Newburgh, N. Y.

Wire Staples.
Kilmer Mfg. Co., Newburgh, N. Y.

Wire Work.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wrenches, Manufacturers.
American Saw Co., Trenton, N. J.
Coes Wrench Co., Worcester, Mass.
Gwinner Mfg. Co., Hamilton, O.
Samuel Ball's Son, New York.
Tower & Lyon, New York.

Wringers.
National Wringer Co., Canton, O.

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Reading Hardware Co., Reading, Pa.

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Bruce & Cook, New York.

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Harrington & King Perforating Co., Chicago.

HALL & ELTON'S GERMAN SILVER.

1837 — Half a Century. — 1895

The Pioneer Makers of German Silver Goods.

HALL, ELTON & CO., Wallingford, Conn.

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Rogers (Wm.) Mfg. Co.... 56
Rouse, Hazard & Co.... 45
Russell & Erwin Mfg. Co.... 42
Sabin Machine Co.... 4
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Syracuse Twist Drill Co.... 2
Tate Mfg. Co.... 55
Toledo Machine & Tool Co.... 57
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Wheeler (Frank) & Son.... 5
Williamson (C. T.) Wire Novelty Co.... 2
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"JERSEY" POULTRY NETTING and FARM FENCING,

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CLINTON WIRE CLOTH CO.,

Manufacturers of every description of

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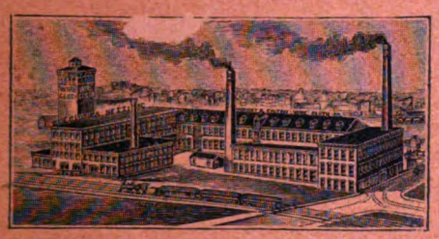
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Factories: GEORGETOWN, CONN. CHICAGO, ILL.
ESTABLISHED 1818.

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This Cut almost speaks for itself—the device being so much like the human hand, shows at once the utility of the article.



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AS A FRUIT PICKER IT HAS NO SUPERIOR.

It is made of Heavy Galvanized Wire, and Easily Adjusted to a Pole. It has been sold for several years, and the demand (as it is becoming known) is steadily increasing. The difficulty of detaching fruit and securing it unbruised is apparent to everyone so engaged. This overcomes the difficulty, and saves the finest fruit, which commands the highest prices.

THE LOW PRICE AT WHICH IT IS SOLD

Brings it within the reach of those who have but little fruit to gather as well as those who have large quantities. **Price, per doz., $6.00. Liberal discount to dealers.** It will gather Apples, Peaches, Pears, &c.

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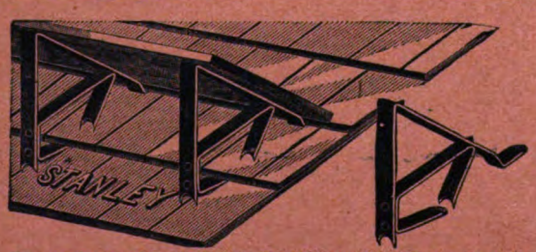
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PATENT
Roofing Bracket.

STANLEY
Rule & Level Co.
New Britain, Conn.

SOLD BY ALL HARDWARE DEALERS.



The parts are of Spring Steel, firmly riveted together. Push the beveled ends up under two layers of shingles, already nailed down; the Bracket has two separate bearings on the roof, and is so formed that any increase of pressure from above, increases its stability.

One dozen per minute can be placed in position, or removed; and great economy in lumber and nails will be found. There are no loose parts to get lost; and no nail-holes are made in the roof. In constant use these Brackets will last a life-time.

No. 1. Roofing Brackets, 8 inch, ½ dozen in box. Per Doz., $3.00





FOR TIGHT FASTENINGS
of anything to stone or brick, try
EXPANSION BOLTS
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"M&P" Friction Drop Hammer

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—Medal— —1893—

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THE BEST LINE OF BICYCLES FOR HARDWARE TRADE

For '95 in the market.

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Highest Possible Quality.

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Tensile strength one-half greater than that of any other nail made.

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Write to us for Circulars.

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Ausable Horse Nail Co.,

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Hot Forged and Hammer Pointed Nails

IMITATING THE

Old Fashioned Hand Process.

FAC-SIMILE OF AUSABLE BOX AND BRAND.



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Genuine Ausable Nails are packed in boxes bearing their FULL NAME and Trade Mark.



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Have you ever tried one with a

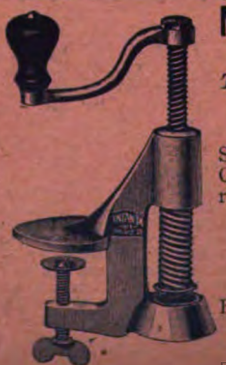
Universal Coupling?

Fits any Valve---Lasts a Lifetime.

All reliable dealers sell the genuine HEATH PUMPS.

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ELASTIC TIP CO., Boston, N. E. Agts. MANUFACTURERS, Minneapolis, Minn.



MERIDEN MALLEABLE IRON CO.,

SOLE MANUFACTURERS OF

THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

THE RAPID CORK PULLER

—AND—

RAPID LEMON SQUEEZER.

Best in the market. Send for circulars and prices.

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ALL THE NEWS.

HARDWARE

HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XI. No. 10. New York, August 25, 1895. $1.00 A YEAR.



MAGNOLIA METAL
IN USE BY EIGHT LEADING GOVERNMENTS.

Magnolia Metal Co.,
OWNERS AND SOLE MANUFACTURERS,
74 Cortlandt Street, New York.

CORNELL UNIVERSITY.
ITHACA, N. Y., August 10, 1895.

To whom it may concern: I would respectfully state that I have used Magnolia Metal with satisfaction for bearings where other metals have given a great deal of trouble. I have employed the metal in crank-pin boxes on the Experimental Engine at Sibley College, and in the bearings of water wheels which were under considerable pressure.

We have made some tests to determine accurately the friction reducing qualities and durability of this metal. On account of an accident to our machine these tests are not all completed, and a full report cannot be given at the present time.

Sufficient has been done, however, to indicate the superior quality in every respect. I may say that I fully believe the metal has most excellent quality in every respect for the purposes and uses claimed. I am sir, truly yours, R. C. CARPENTER.

(Professor of Experimental Engineering, Sibley College, Cornell University, Member Society Mechanical Engineers, &c., &c., &c.)

BRADLEY
Steel Shelf-Bracket.

SEND FOR PRICES.

PAT. NOV. 8, 1892. ATLAS MFG. CO., New Haven, Ct.

DARLING, BROWN & SHARPE, PROV., R.I.
TOOLS FOR MACHINISTS' USE.
CATALOGUE ON APPLICATION.

IMPROVED DROP HAMMERS.

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Manufacturers of
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Diamond Thimbles,
S. CHENEY & SON,
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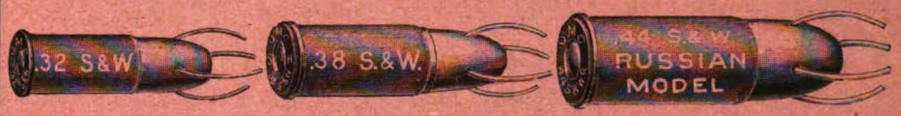


SAMSON & MASSACHUSETTS Brands.
Send for Samples Samson Cordage Works, BOSTON, MASS.



A Perfect Stove Polish. Dustless. Odorless. Guaranteed to the Trade.

Improved Cartridges for Accuracy and Cleanliness.
HAVING SELF-LUBRICATING BULLETS.
.32 S. & W. and .38 S. & W., also .44 S. & W., etc. Russian Model,
Under S. & W. Patents, Nov. 18, '90; June 13, '93.



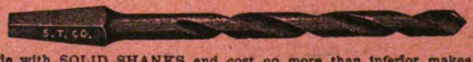
Bullets are perforated to permit flow of lubricant when fired. A larger number of shots can be fired and greater accuracy maintained without cleaning the arm, than with the ordinary style of lubricant. Orders for these cartridges should specify "self lubricating."

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Our New Catalogue
OF
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Now ready for distribution. Forwarded on application.

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THE STANDARD TOOL CO.,
Cleveland, Ohio.



Our Bitstock Drills are made with SOLID SHANKS and cost no more than inferior makes. Sell "STANDARD" only.

ORANGE EXTRA
SPORTING POWDER.
See top page 3.

IF YOU USE
Power Hammers
Write to us for Circulars.
SCRANTON & CO.,
NEW HAVEN, CONN.

High Grade Rubber Goods.



Branch Office, 10 Barclay Street, New York.
Send for samples and prices before you place your orders.

Its strength is uniform and quality always the same.

"DODD'S" LIQUID GLUE.

It gives perfect satisfaction.

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These saws are a trifle higher in price, but are being adopted by all Mechanics who use high grade tools.



Fuller Brothers & Co.,

139 GREENWICH STREET,
NEW YORK.

STEEL WIRE NAILS.

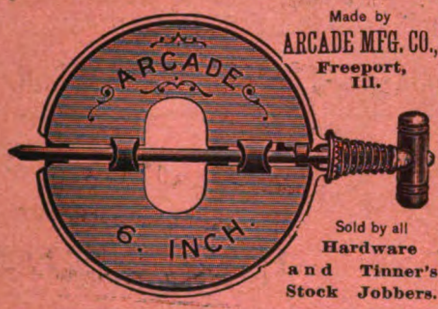
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CUT NAILS.

Plain and Galvanized Wire.

BARB WIRE.

Wire Straightened and Cut to length.



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Hardware
and Tinner's
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Twines, Marlines, Sash Cords,
Hammocks, Cotton Rope, Chalk Lines,
Clothes Lines, Hardware Paper, &c.

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Made of Best
Virginia White Cedar.
All Trimmings,
Casting, etc.,
Galvanized.

An Easy Seller.
Prices and
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gladly sent on
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MANUFACTURERS OF

WOODENWARE,

Mention HARDWARE. Richmond, Va.

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SPECIALTIES:

Lane's Steel Anti-Friction Barn Door Hangers,
Lane's Steel Track for same,
Lane's Steel Anti-Friction Parlor Door Hangers,
Lane's Sliding Door Latch,
Lane's Steel Carriage Jack,
Lane's Automatic Lock Tackle Block,
Lane's Self-Measuring Faucets,
Lane's Coffee and Spice Mills,
Together with other Hardware Specialties.

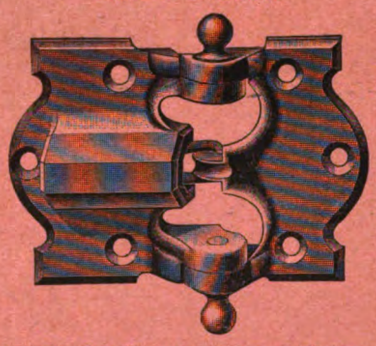
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Ask your Hardware dealer.

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Knoxall Spring Hinges

HOLD BACK.



Single Acting, for Screen Doors.

The Springs are of fine Steel Wire, carefully tempered, permitting an easy and steady movement of the flanges. They will close a door or allow it to remain open, as desired.

No. 15, 2½x3¼, japanned.

The cheapest and best Spring Hinges in the market. Send for prices.

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Van Wagoner & Williams Hdw. Co.,
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Buffing Wheels,

STANDARD GOODS AND SPECIALTIES.

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The Estey Wire Works Company.

Thanking you for favors received in the past, I bespeak a continuance of your patronage under the new organization and trust that the same pleasant relations existing between us may be continued.

Yours truly,
W. S. ESTEY.

As above announced we have succeeded to the business of W. S. ESTEY, and trust that we will merit a continuance of your valued orders as heretofore extended to Mr. W. S. Estey.

Yours truly,
ESTEY WIRE WORKS COMPANY
March 1, 1895. 65 Fulton St., New York.

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is growing in circulation and influence with every day that passes. Now is the time to subscribe!

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BEST FOR CARPENTERS AND BUILDERS BECAUSE:

Made of Best Steel. Hammer Refined. Accurate in size. Can be sharpened upon a grindstone. Does not Split the Wood. Will cut off nails. Will Enlarge a Hole without Plugging.

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HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

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WILLIAMSON'S

NEW POWER CORK SCREW.

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:

KEEP ON TURNING, DO NOT PULL.

No. 1243. Nickel Plated, Arplewood Handle.....$5.00 per doz.
" 1443 " " " Rosewood " .....$6.50 " "

For Discounts and other Styles send for Catalogue.

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Manufacturers of Wire Specialties for the Trade.

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ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded **ORANGE RIFLE EXTRA.**

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

CHAS. J. STEBBINS.

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STEEL WIRE NAILS.

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GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

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Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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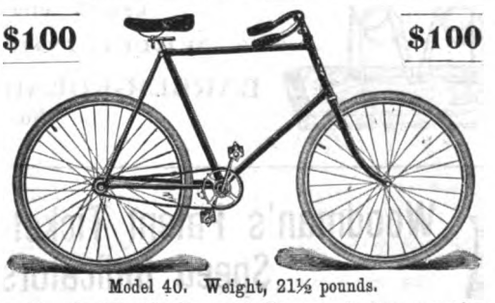
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$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.
Unequalled—Unapproached.

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All kinds of

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Estimates furnished from Drawings or Models of new devices.

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ATLAS AND JUDSON POWDERS

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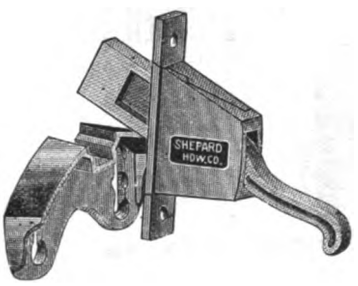
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"THEY TAKE THEM ON SIGHT."



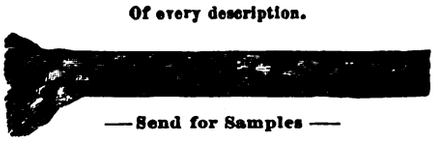
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☞We are the SOLE Manufacturers.

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Braided Cord

Of every description.



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TO KEEP A BROOM

Use the COMMON SENSE BROOM HOLDER. It keeps a broom dry, keeps it in shape, keeps it from rotting. Holds a Broom either end up.

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12 STYLES FOR

Ladies and Gents Garments.

WRITE FOR PRICES TO THE

BARBER-KOENIG MFG. CO.,

No. 115 North Vine St., Hazleton, Pa.



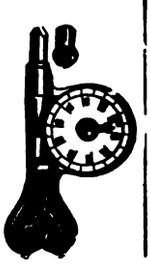
Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,

63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—



PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

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IT TAKES A PULL

to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, **15 Park Row, New York.**

IMPROVED

Tack, Shoe and Wire Nail MACHINERY,

KIMBAL BROS. & CO., Mfrs.,

Send for Prices. **BROCKTON, MASS**

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

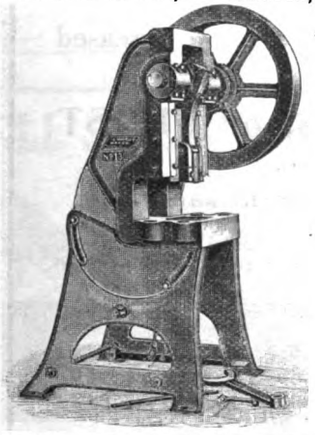
HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

FRANK WHEELER & SON, MERIDEN, CONN.



ROLLING MILLS, DIES, TROLLEYS, AND SPECIAL MACHINERY.

BUILDERS of the new Wheeler Power Presses, containing Wheeler's patent adjustment and clutch mechanism. If you are thinking of buying anything in this line it will pay you to write to us for prices and particulars.

"THE BALL DOES IT ALL!"



No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .

A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.



No. 5. ¾ inch Ball Nozzle. For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



No. 4. ¾ inch. Combination Ball Nozzle.

NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

Send for Catalogue.



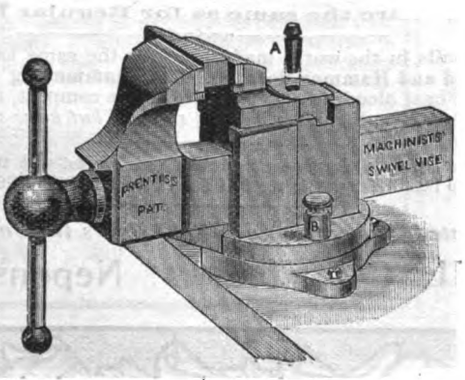
No. 3. ¾ inch Combination Ball Nozzle.

BALL NOZZLE MANUFACTURED SOLELY BY

AMERICAN BALL NOZZLE COMPANY,

837-847 BROADWAY, NEW YORK.

Branch House:—325 SUTTER ST., SAN FRANCISCO, CAL.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of

ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

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Manhattan Commercial Agency

OF NEW YORK.

J. H. GILES, Gen. Manager.

THIS Agency furnishes the means to business men that will enable them to know whom NOT TO TRUST.

Reliable correspondents in all cities and towns in the United States.

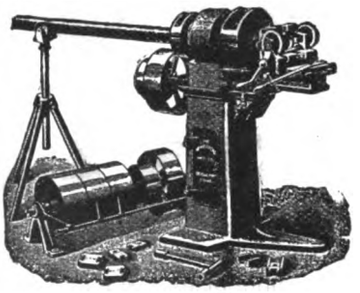
Hardware Collections a Specialty.

Tribune Building, New York.

YOUR STOCK IS NOT COMPLETE

Without a Line of

"ARMSTRONG"



No. 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.

—NEW YORK OFFICE: 139 CENTRE STREET.—

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

COPPER NAILS & TACKS.

PRICES NO HIGHER. PROMPT SHIPMENTS.

CLENDENIN BROS., - BALTIMORE, MD.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.



POSITIVE SECURITY

Against sneak thievery by the use of

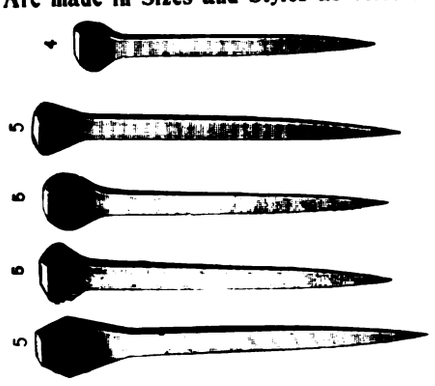
Shepardson's Key-Hole and Baggage Guard.

Sample by mail 75 cents. Illustrated circular and price list sent on application.

KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

The PUTNAM Hot-Forged and Hammer-Pointed Horse NAILS

Are made in Sizes and Styles as below:



TURF NAILS, Nos. 1 to 5.

FRENCH HEADS, for punched shoes without creases, Nos. 3 to 7.

REGULAR HEADS, Nos. 5 to 14.

CITY HEADS, for shallow creased shoes, Nos. 5 to 9.

COUNTER HEADS, or FROST NAILS, Nos. 5 to 9.

Prices of these styles are the same as for Regular Heads of the same size.

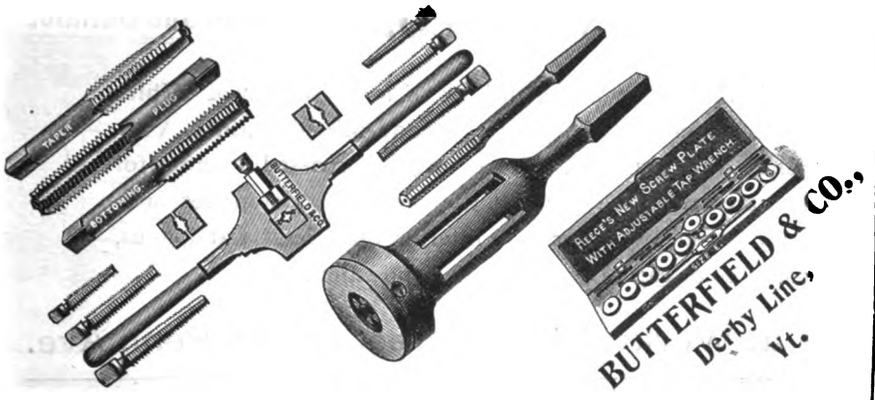
The **only** Horseshoe nails in the world made precisely the same as the old-fashioned, hand process, being exclusively **Hot Forged and Hammer-Pointed.** This **hammering** (not pressing, rolling or shearing) while the metal is at welding heat blends all the particles into a compact, firm nail that outwears all others and will **Never Split, Sliver or Break.** *They are not sheared but have smooth edges clear to the point.*

The attempts of other manufacturers, in their advertising, to identify their product with the Putnam Nail leads us to state that the PUTNAM NAIL is made SOLELY by us in the ONLY RATIONAL WAY a GOOD horsenail can be produced.

Nickel-plated Mascot Ring for 10 Cents in Stamps or Silver.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

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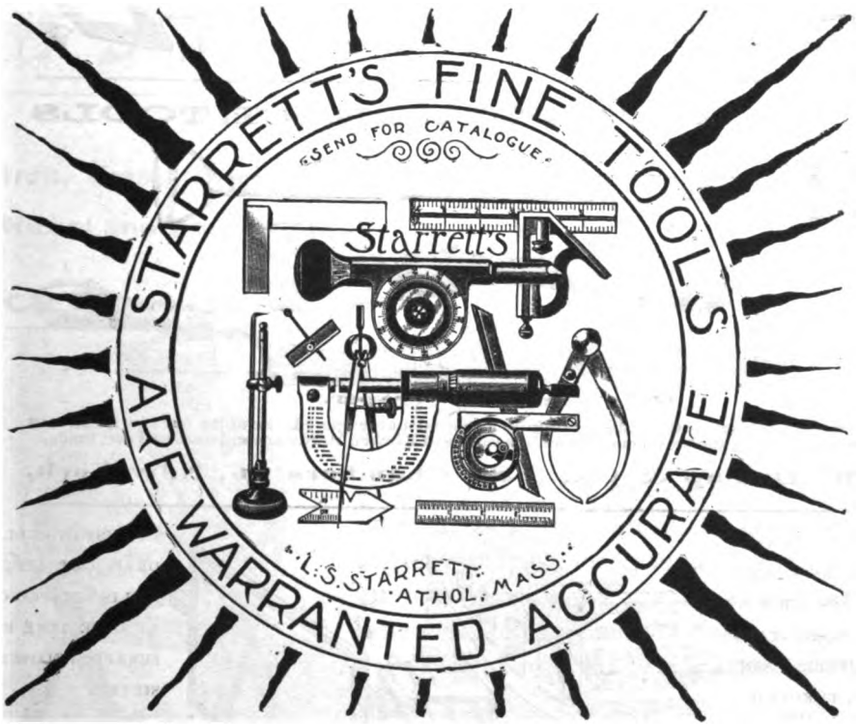
THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Eagle's Hotel) **NEW YORK.**



HALL'S IMPROVED PIPE WRENCH.

An Entirely New Tool.



Grips quickly and firmly, *galvanized* as well as other pipe, *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

GET OUR LITTLE BOOK. FREE.

SAMUEL HALL'S SON, 229 WEST TENTH STREET, NEW YORK.

WIRE & IRON WORK.



FENCING, OFFICE RAILINGS, WINDOW GUARDS, STABLE FIXTURES, ETC.



GRAVE GUARD.

RESERVOIR VASES.

IT WILL PAY YOU TO HANDLE THEM.

LAWN FURNITURE, FOUNTAINS. STATUARY.

ROOF CRESTING.



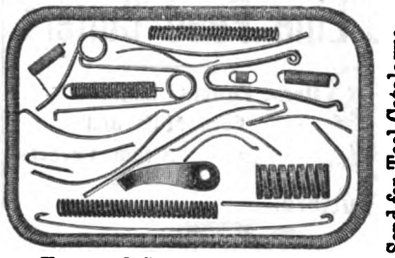
ILLUSTRATED CATALOGUE FREE.

E. T. BARNUM,

DETROIT, MICH. RESERVOIR VASE

TUCK MFG. CO., Brockton, Mass.

Springs, Tools & Cutlery.



Send for Tool Catalogue.

Tempered Springs of all kinds.

You have no risk on the quality we make only the best.



Sand Papers in Sheets and Rolls — Flint Paper, Garnet Paper, Emery Paper, Emery Cloth

M. & A. FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co

700 MARKET STREET, PHILADELPHIA.
87 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
103 LAKE STREET, CHICAGO.

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FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

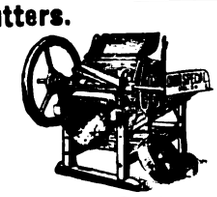
The Cleveland Stone Co.,
Cleveland, O.

Ohio Line Feed Cutters.



Horse Powers Engines, Feed Mills and Steam Cookers.

Hand Cutters.



Power Cutters.



Ensilage Cutters and Carriers.

WRITE FOR PRICES.

The Silver Mfg. Co.,
SALEM, OHIO.

TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

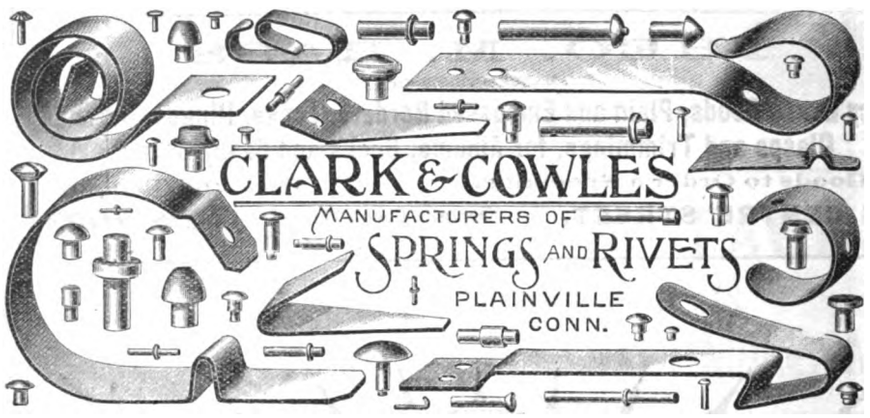
HARDWARE,

and they will soon melt under it like rock salt.

W. W. LAWRENCE & CO., Pittsburgh and Buffalo,

Solicit the orders and inquiries of large buyers of **White Lead, Linseed Oil, Colors, Ready-mixed Paints, Varnishes and Brushes.** Possessing unsurpassed facilities for manufacturing, we can sell the best paints at prices ordinarily asked by others for inferior qualities. Catalogues, prices, color cards, etc., free on application.

Office at Works, Water Street, below Penn Ave.



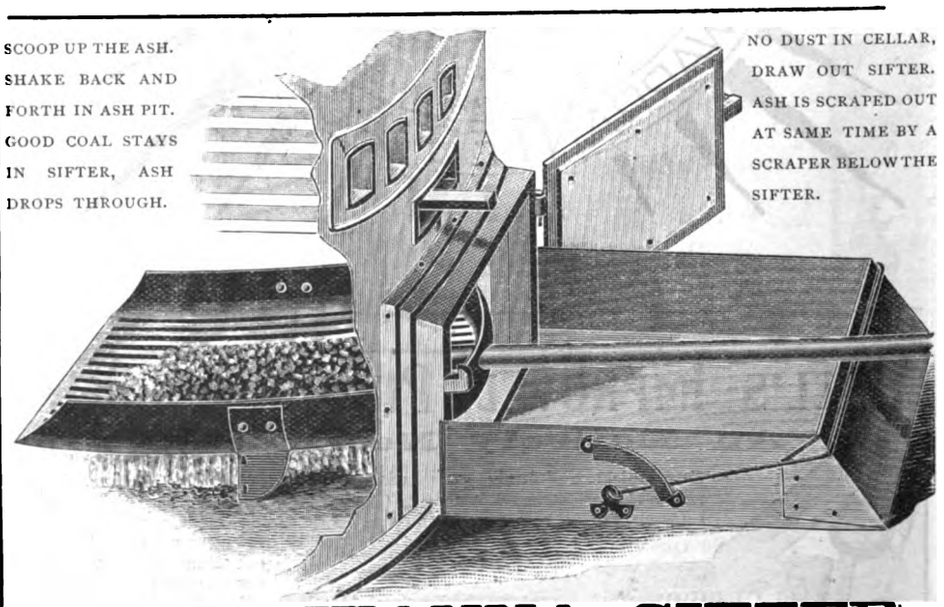
DUNLAP'S SUPERIOR ICE TOOLS



Ice Cream Can Scraper.

Blades made of Crucible Cast Steel, carefully hardened and tempered. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.



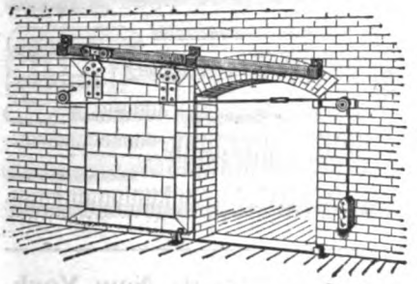
LACKAWANNA SIFTER.

For Furnaces only. Is a scoop with slots, also a scraper beneath to bring out ash into a pan which we also make. No dust. All sifting is done in the ash pit. Write us.

THE LACKAWANNA SIFTER CO., Cleveland, Ohio.

Agents:
BIGELOW & DOWSE CO., BOSTON, MASS. LAWRENCE & LOCK, NEW YORK CITY.
G. W. VANTINE & SON, PHILADELPHIA, PA.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

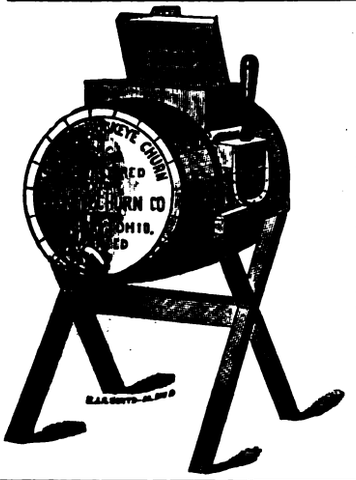
Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

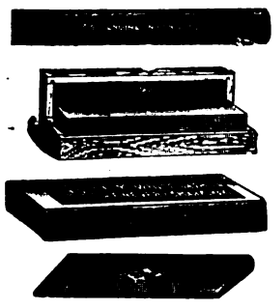
Buckeye Churn Co.,

Sidney, Ohio.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

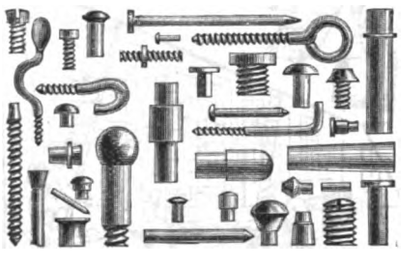
WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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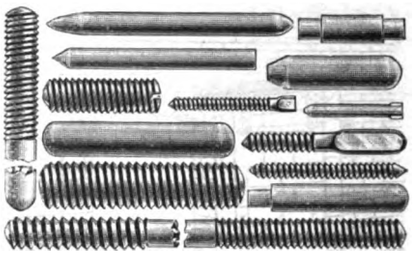


Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.



American Lead Pencil Co.,

429 Broome Street, New York.
110 Cheapside, London, England.



113. "CARBON" PENCIL.

TO obviate that tired feeling and dull pain in the fingers, which invariably accompany the use of the ordinary black lead pencil whenever too much pressure is brought to bear or it is used any length of time, and at the same time to produce an article that is very smooth, very black and very firm, thus adapting it for all kinds of work where a fine, smooth, black and legible mark is required, this pencil cannot be too highly commended. For writing on soft paper it surpasses anything heretofore produced; and for sketching, draughting and heavy shading it is indispensable.

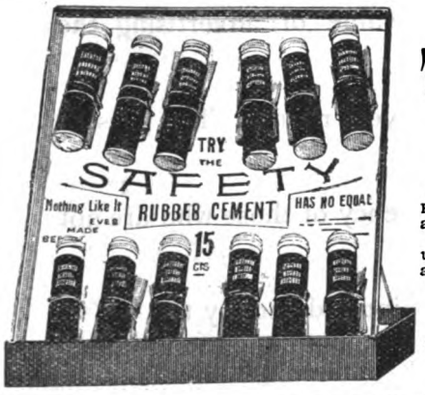
Dozen mailed on receipt of 50 cents. Samples, Catalogue, Information upon Application. Address

American Lead Pencil Co., 429 Broome Street, New York.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.



"A WINNER."
The Safety Rubber Cement Outfit.

EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.
The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of 15 cents.
Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

The McCrum
Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
312 Dorchester Ave.,
SO. BOSTON, MASS.

DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.

P. & S. STUB'S FILES. TOOLS. STEEL.
Hubert's French EMERY PAPER.
KEARNEY & FOOT FILES.
CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST NEW YORK
ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.
TWIST DRILLS, TAPS, DIES, Machine Screws.
CABLE ADDRESS "BUNDLET NEW YORK."

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

NONPAREIL ANTI-FRICTION METAL

Guaranteed
Best Anti-Friction Metal for all machinery bearings. For high speed and heavy crushing weight it has no equal. It is used on bearings where no other metal will stand.

THEO. HIERTZ & SON, Sole Manufacturers,
Montrose and Park Ave., St. Louis, Mo.

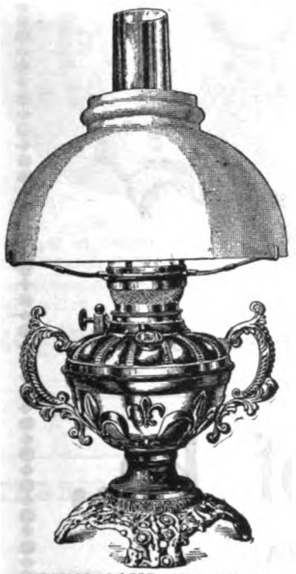
Manufacturers of all grades Babbitt Metals. Solder, Bar Tin, Bar Lead, Lead Car Seals, etc.

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THE ORIGINAL IS THE BEST.
ROYAL CENTRAL DRAFT LAMP.

This Lamp has no Superior in the known world.

Gives the Largest Light for Wick Exposure of any Lamp made.



ROYAL LAMP.—No. 1013.

Chimney Lift and Wick Raising Device the best and easiest of adjustment. There are many imitations of these improvements, but the **ROYAL** is still the best.

The Royal Chimney. Lift will stay in position while lighting the lamp without support from the hands. This no other lift device will do.

The Wick Raising Device of the Royal Lamp is unquestionably the best, and has the approval of our largest competitors by their practical adoption of it.

The Wick can be adjusted more accurately and more easily than by any other device.

Workmanship, Style and Finish are unsurpassed. Made in all finishes of Stand, Table and Banquet Lamp. No better lamp for the dealer to handle.

The Plume & Atwood M'f'g Co.

29 Murray St, New York **199 Lake St, Chicago, Ill.**

'The



B & H
LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

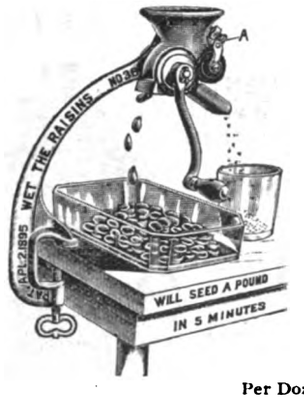
Main Office and Factories, Meriden, Conn.



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ENTERPRISE Raisin Seeder

TINNED.

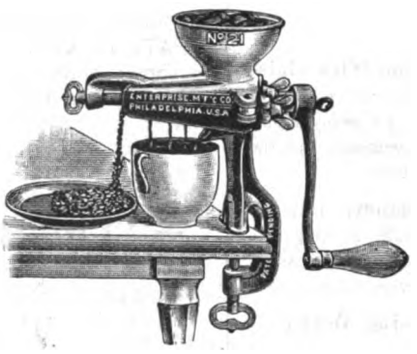


Per Dozen.

No. 86, Family Size, - $12.00
No. 88, Hotel and Bakers, - 30.00

ENTERPRISE Meat Juice Extractor,

TINNED.



No. 21, Price, $2.50.

ENTERPRISE Fruit, Wine and Jelly Press,

TINNED.



No. 24, Price, $3.00.

The Enterprise M'f'g Co. of Pa.,

THIRD AND DAUPHIN STREETS, PHILADELPHIA, PA.

FOR SALE BY ALL HARDWARE DEALERS. SEND FOR ILLUSTRATED CATALOGUE FREE.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U. S. A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

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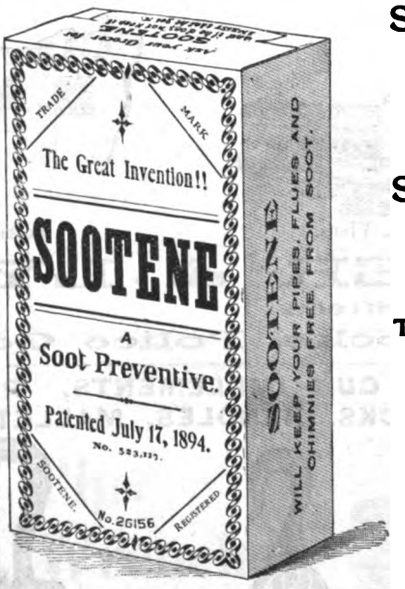
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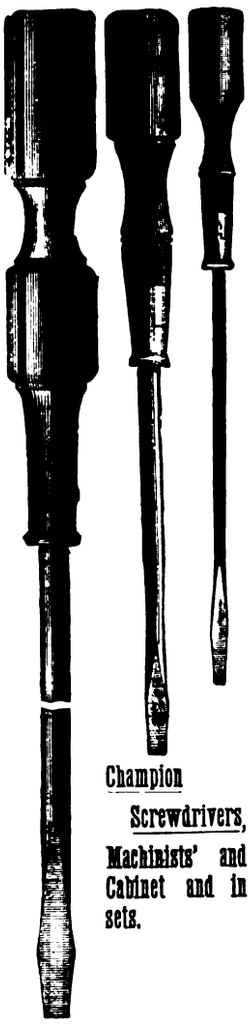
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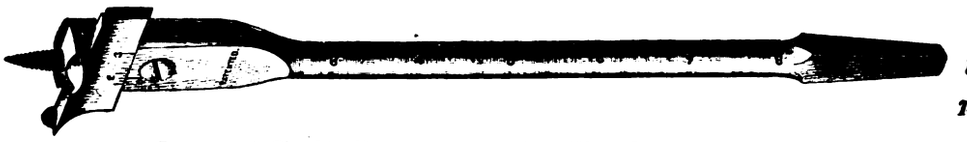
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

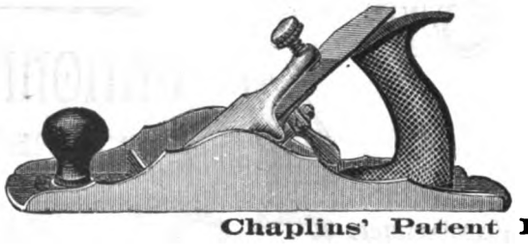


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No loose parts.

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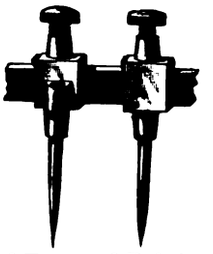
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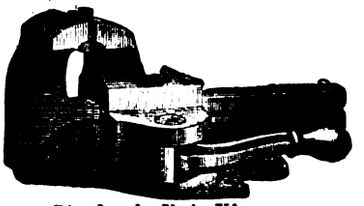


Plumb Bobs and Trammel Points.

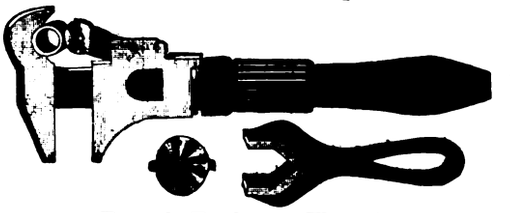




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Stephen's Pat. Vises.



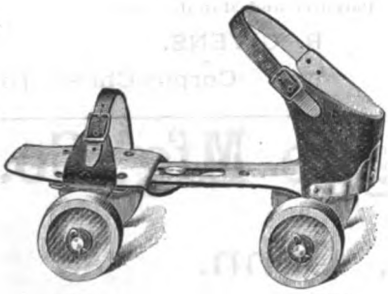
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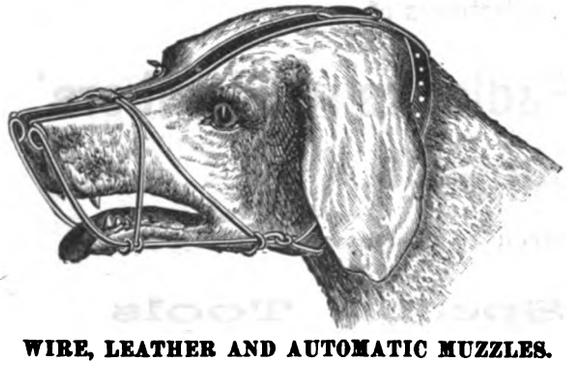
EXTENSION ROLLER SKATES.



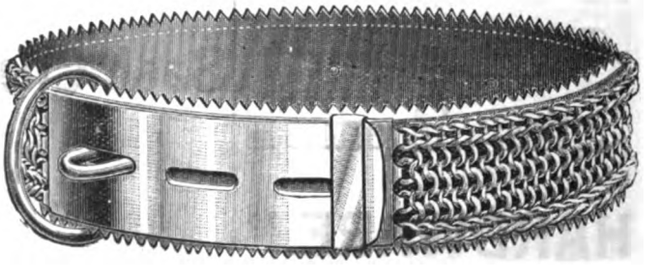
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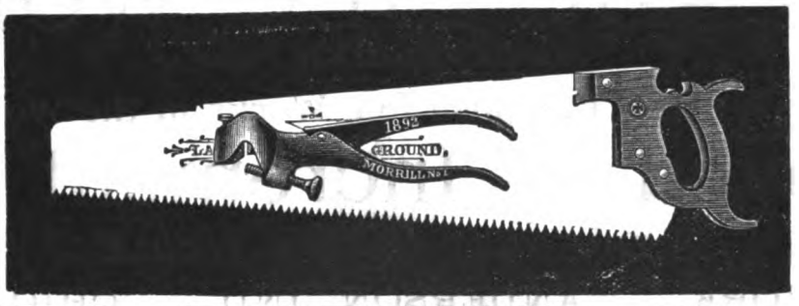
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9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



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Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—¾	⅜—⅝	½—1¼	1¼—2	2 —3
Roundiron	¼—⅝	½—1	⅝—1⅝	1½—2½	2¼—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

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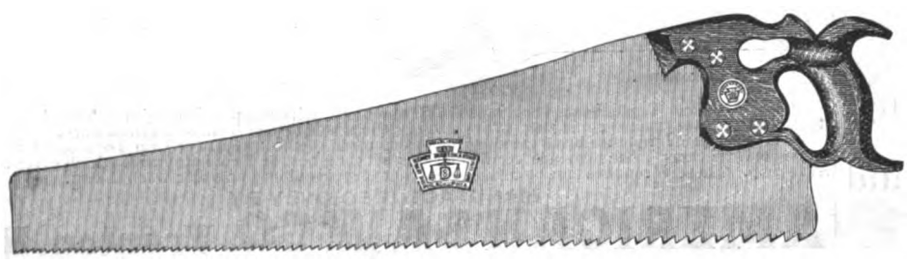
214-216 West Pearl St., Cincinnati, O.



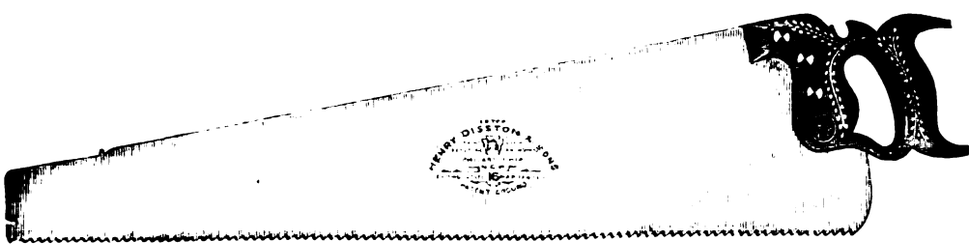


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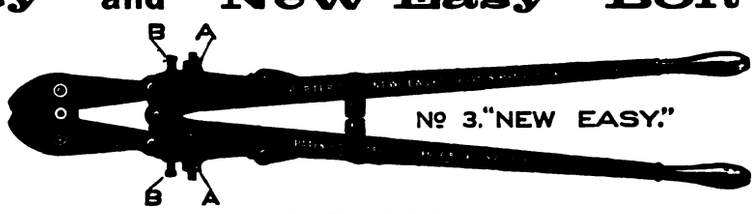


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The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



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THE ROYAL DOOR CHECK AND SPRING.

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Every Check Warranted.

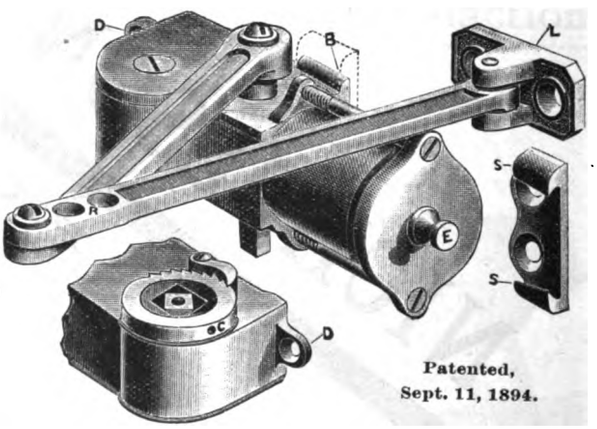
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HARDWARE

VOL. XI. AUGUST 25, 1895. NO. 10.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

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THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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It is with unwonted sadness and the largest sympathy for those dependent upon him, that we elsewhere record the death of William H. Williams, president of the New York Hardware Club, and an honored and prominent figure in the Hardware trade. There are few men of his years who have crowded so much of useful labor into so small a span; there can be none more sorely missed by those who had come to love him and to admire his fine qualities of head and heart. His work was by no means done; he had only reached a point where widening influence was sure to come with each succeeding year. Why he should have been taken away thus early is beyond mortal ken; all that is left is to bow to the decree of a higher power; to remember his brave life and good deeds; to emulate his example so far as we may, and to extend to the bereaved wife and children a sympathy that becomes the greater because their loss is that of us all.

Hardwaremen: Bicycles: 1896.

It is a fact, borne out by the experience of perhaps all wheel manufacturers, that more Hardwaremen commenced the handling of bicycles during the spring and summer of 1895 than in any previous year since the commencement of this great industry. Those who were wise enough to see what was coming made their arrangements early, and had their stock safely ordered or on hand before the rush began, and were prepared to fill orders as they came. Those who hesitated and allowed opportunity to pass them by while still hesitating, entered the arena too late for the full harvest of success; although there are very few who are in danger of carrying stock over into next year. Fortunately bicycling is becoming more and more of an all-the-year-around occupation or pastime, and there is hardly any season in which bicycles cannot be sold. As the use of the wheel is extended into the practical affairs of business and business travel this continuous sale will become the more certain and pronounced.

The manufacturers are already making extensive arrangements for an increased output during the season of 1896. They justly feel that wheeling has gone beyond mere pleasuring, and that each season will see an increase in the number of those who ride. The demand of 1896 will in any case be greater than that of 1895. Are the Hardwaremen of America preparing to take advantage of that fact?

It is hardly needless at this late day to tell any Hardwareman that it is to his advantage to handle bicycles and bicycle sundries. He can see marked evidence of that fact all about him; and the experience of those who have experimented in that direction is too direct and favorable to be ignored. If he has not yet added a line it is from some reason other than a question as to the advantages of the addition. If that reason is removable the sooner he gets away from it the better. The present seems to be a good time to join the procession, as we believe the boom of 1896 will set in at an earlier date than that of any year preceding. The profits do not come alone from the sale of a wheel; there is a constant demand for parts, accessories and repairs, and the shrewd dealer can extract a profit from all these.

The Passive Merchant.

He is Patience personified. His soul is free from ambition and his nature untainted by an aggressive spirit. He gives no thought for the morrow, nor concern for yesterday, and is content with to-day. He is not a believer in enthusiasm; shows little emotion and is willing to let the store run itself. Just so long as liabilities are met without special exertion he is satisfied. New ideas, progressiveness, keeping up with the times, style, system and a mastery over details occasion no concern, nor is he moved when his easy-going, indifferent policy is brought into contrast with his go-ahead, contented competitor.

He moves in ruts and is satisfied so long as his condition is not materially changed from what it was fifteen, twenty or more years ago. A few years since we met one of these passive fellows who kept his books in pounds, shillings and pence, as was the custom in this country forty years ago, simply because he was satisfied with that plan and didn't care whether the decimal system was better or not. Just so long as the passive merchant has his living he is satisfied to let matters take their course. He claims that he has outlived many a competitor, seen some of them fail, and that his condition is better than the average; that he is free from excitement, worry and risks.

His beat is between his home and his store, to which habit has chained him, so much so that a trip to New York or other city of supply is an event in his life.

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This passive man is content to order by mail or through drummers, by which course his mind is not disturbed by conflicting quotations and market changes.

Trade papers are never read because they tax his mental powers and are too suggestive. Advertising in any manner is foreign to his thought. He claims that consumers know best what they want and where to purchase; that for many years he has served them in his way, been lenient as to credit, and "that if they want to trade anywhere else why let them go." He is very accommodating, and is always quick to respond to the request of an old patron, but he never attempts to suggest a new line of goods or to educate his trade to a new standard of quality. In short, he allows himself to be led instead of becoming a leader. Long hours never worry him, for he is as happy in his store as his home and with his family as with his merchandise Occasionally he is aroused from his passiveness by some heavy loss through over-confidence in extending credit or by reason of theft, fire or carelessness.

He is unfriendly to associations, boards of trade or other organizations, claiming that it is as much as he can do to attend to his own business without trying to regulate other folks' affairs. It never enters his mind that he is a unit in society and is responsible for the effectiveness of that unit. To entertain such a thought might paralyze him, were he to be receptive to modern methods or new ideas.

Being passive this sort of a merchant does little harm. He is never accused of cutting prices, making innovations, meddling with his neighbors, and therefore is left to pursue his inoffensive way peaceably until death takes him from the scene and his estate goes to the surrogate's court for settlement. All his life long he was fond of the verse:

> Oh, why should the spirit of mortal be proud?
> Like a fast-flitting meteor, a fast-flying cloud,
> A flash of the lightning, a break of the wave,
> He passeth from life to his rest in the grave.

A Series of Failures.

The recent failure of the C. F. Guyon Co., No. 97 Chambers Street, New York, was brought about in a roundabout manner by the assignment of the Woodrough & Hanchett Co., of Chicago, mentioned in a previous issue of HARDWARE. On August 9th, Judge O'Brien, of the Supreme Court, on the application of William P. Foss, of Haverstraw, N. Y., appointed Courtlandt C. Clarke, of the Allerton-Clarke Co., receiver in New York for the property in this State of the Lockwood Mfg. Co., South Norwalk, Conn. The headquarters of the company here are with the C. F. Guyon Co. James H. Cutler, of Boston, and W. A. Curtiss, of Norwalk, were made receivers in Connecticut. Woodrough & Hanchett and the C. F. Guyon Co. were the Chicago and New York representatives of the Lockwood Mfg. Co., and through these agencies the products of the company were marketed principally. The two firms named above received the goods on consignment and made advances on them in the form of notes, which were endorsed and negotiated by the Lockwood Mfg. Co. The amount of the notes given by the Woodrough & Hanchett Co. to the Lockwood Mfg. Co. is close upon $85,000. The Lockwood Mfg. Co.'s liabilities are estimated at $280,000; this amount includes the notes which they endorsed. The company's resources consist of money deposited in South Norwalk, Boston, Worcester and New York banks amounting to $41,000, a large unincumbered plant at South Norwalk, stock, wrought and unwrought valued at $175,000, together with goods in the possession of commission agents. The company have also a large amount of merchandise in the hands of the C. F. Guyon Co., their New York agents. These goods, however, are subject to a lien of the Guyon Co. for advances made. The Merchants' National Bank have attached the stock here for $14,166. The C. F. Guyon Co., who were under the impression that the Lockwood Mfg. Co. were able to take care of their obligations arising from the Chicago failure, were, on the assignment of the Lockwood Co., obliged to do likewise to protect their own and allied interests. This was done on August 9th, the assignee being A. B. Porter, of Porter & Kilvert, Tribune Building. Charles F. Guyon also individually made an assignment to the same person, giving a preference to the Foster Mfg. Co., Middletown, Conn., for $13,696. This is explained by the fact that Mr. Guyon has been for years president and treasurer of the Foster Mfg. Co., and in this capacity had recently purchased a parcel of real estate for the concern which, standing in his name, he had not transferred, owing to an intended reorganization in the near future. The Foster Mfg. Co. also assigned to A. B. Porter on the same date, as did the Essex Mfg. Co., Newark, N. J., Mr. Guyon being the president and having a controlling interest in the last named company.

The Hardware Club Manual.

The New York Hardware Club having grown extensively in membership since the publication of the Manual now in use, it was decided by the board of governors that a new one should be issued, and that it should be complete and up-to-date in all features. The difficult labor of its preparation was committed to the hands of Alfred D. Clinch, chairman of the library committee. The completed work has been mailed to the members of the club, and shows that with his usual keen insight and tireless energy, Mr. Clinch has left nothing to be desired. The book is handy in size, being about 6x7 inches in size, and is bound in an artistic cover of lavender and stone gray. Upon the cover are the words: "Hardware Club of New York, 1895." The typography is excellent, and the paper heavy and finely finished. Within is found a list of the officers; the names of the board of governors, with length of terms; committees; constitution; by-laws; house rules; articles of incorporation; a handsome engraving of the club building; a list of resident and non-resident members; and also of those members who have been called away by death. It is in the compilation of the lists of membership that Mr. Clinch's labor has been best shown. Every name has been verified by correspondence or calls, and all the errors of former issues corrected; and in addition to that the name of the firm or company with which each member is connected has been, with few exceptions, given. It is a book that will prove useful in many ways, and any member of the Club can take pride in comparing it with the manual of any club in the city.

Russell & Erwin Mfg. Co.'s New Discounts.

The Russell & Erwin Mfg. Co., New Britain, Conn., and New York, make the following announcement to the trade, under date of August 15:

Until changed by us our discounts and terms for wood screws will be as follows, from our revised list prices of January 1, 1891 (page 2):

Flat Head Iron	85 per cent.
Round Head Iron	80 "
Flat Head Brass	85 "
Round Head Brass	80 "
Flat Head Bronze Metal	80 "
Round Head Bronze Metal	75 "

Flat head iron screws, blued, 5 per cent. advance on net. We hereby withdraw and cancel all discounts and terms on screws made prior to date of this circular. Unusual assortments or excessive quantities of single sizes subject to special quotations. All orders subject to our ruling rates at date of shipment. Terms cash. No prices guaranteed.

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Death of William H. Williams.

In the death of William H. Williams, of the Van Wagoner & Williams Hardware Co., and president of the New York Hardware Club, the trade throughout the country at large loses a useful and prominent member, and many scores of Hardwaremen in all parts of America have lost an honored and beloved friend. This loss is all the greater because of the comparative youth of the departed, and the many avenues of usefulness in which his influence was felt.

It was known by Mr. Williams' close friends that he was in poor health, largely because of overwork, but it was generally thought that a few weeks of summer rest would restore his former health and vigor. Some weeks since he went to Woodstock, Conn., in search of this needed rest, but it was too late for an improvement, and after some days of suffering he departed this life on August 14th, of heart trouble complicated with other consequent difficulties. The end came suddenly and peacefully, as he sat in a chair in the presence of his family—without warning or a chance for a word of farewell.



WILLIAM H. WILLIAMS.

Mr. Williams was yet in the prime of life, having been born in Schoharie County, N. Y., in 1847, a lineal descendant of Roger Williams, of Rhode Island. He came to this city to take employment as an errand boy in the store of Brooks Bros. when he was only fourteen years old. Five years later he obtained a place as clerk in the Hardware store of J. Russell & Co., at No. 83 Beekman Street. In 1871 Mr. Williams went into business in the Hardware trade with his brother-in-law, C. S. Van Wagoner, and they succeeded in building up a prosperous business. In 1892 the firm's manufacturing business was transferred to Cleveland, where Mr. Van Wagoner now lives. The financial depression of 1893 affected the firm somewhat, but it was eventually reorganized on a sound basis. The high esteem in which Mr. Williams was held by the Hardwaremen of this city was shown when, upon the organization of the Hardware Club, in 1892, he was elected its president. This mark of regard was further augmented in the following year when his firm was in trouble. He then tendered his resignation to the directors of the club, who declined to accept it and who placed on their minutes a resolution expressing sympathy with him in his temporary financial difficulty. He was three times re-elected president of the club.

For many years Mr. Williams was a director of the New England Society. Further he was a director of the Long Island Safe Deposit Co., a trustee of the City Savings Bank and a trustee of the Berkeley Institute in Brooklyn. He was an associate member of Grant Post, No. 329, G. A. R.; was at one time a vice-president of the Union League Club of Brooklyn and for many years was a member of the Hamilton Club.

Mr. Williams first became prominent in Brooklyn politics in 1884. From the time of the organization of the Young Republican Club of Brooklyn he was one of its leading members, and was chairman of the club's advisory committee when the mugwump revolt took place in 1884. He was a stanch supporter of James G. Blaine, though the committees of the club were made up mostly of anti-Blaine men. His fight for Mr. Blaine in the club was so successful that at the meeting in September of that year the club indorsed Mr. Blaine as the Republican candidate by a vote of about 1200 out of 1350. Mr. Williams was subsequently elected president of the club, a position to which he was afterward re-elected four years in succession. He resigned his high office in the club as soon as General Harrison was elected president, declaring that he had consented to lead the club only until his party had triumphed at the polls. Mr. Williams, however, remained a member of the executive committee of the club until the beginning of the present year, when he became a member of the Republican County Committee of Kings County.

Mr. Williams has always been known as a Republican, who had always stood for clean politics. Leaders of his party had practically offered to him the nomination for mayor of Brooklyn several times, but he always declined to be a candidate for public office. Some of the Brooklyn Republicans were inclined to find fault with Mr. Williams in 1889, when he was told that if he would stand as the Republican candidate for mayor certain prominent men would guarantee a campaign fund of $50,000, but he declined to run.

In May of this year he was appointed by Mayor Schieren an Election Commissioner. At the time of his death Mr. Williams was an athletic and young looking man, direct of speech and energetic in everything he undertook.

Mr. Williams's home was at No. 858 Carroll Street. He leaves a wife—the daughter of Edward Bowen—and three daughters.

When the death of Mr. Williams was announced many and heartfelt were the expressions of sympathy sent his stricken family. The Board of governors of the Hardware Club met immediately, and appointed a committee of its members to represent the club at the funeral at Woodstock. The Brooklyn Board of Elections also met, and adopted the following resolutions:

Whereas, The members of this Board have learned with infinite regret and sorrow of the death of William H. Williams, our late honored president, who, during a comparatively short official association, endeared himself to us by his invariable courtesy, and commanded our most profound respect by his upright character; genial qualities and marked ability; and

Whereas, The city of Brooklyn has in his death suffered the loss of a fearless, faithful and efficient official, and a public-spirited citizen, and this Board has lost a member whom we were proud to honor; therefore, be it

Resolved, That as a mark of respect to his memory, it is hereby ordered that the offices of this Board be closed upon the day of his obsequies; and, be it further

Resolved, That, realizing the deep sorrow which has been visited upon the family of the deceased, we tender to them our utmost sympathy in this their hour of affliction, and humbly commend them to the care and comfort of "Him who doeth all things well."

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Mayor Schieren expressed his sorrow and sympathy in these words: "I was sorry to learn of Mr. Williams's sudden death. It was unexpected. He was a warm friend of mine. We had been together in the Young Republican Club for many years, and I admired his firm principles and his stand for pure government. He was always ready to stand up for pure politics. To him must be given the credit for doing more to purify the Republican party within the party, whenever it was found necessary, than to any other man. He believed in reforming the party within itself, and not leaving it. He was a true Republican. Every man who came in contact with him admired his genial spirit, his manliness of character and his fine manners. I have lost a dear friend, whose memory I shall always revere, and I deeply sympathize with his bereaved family."

A just and eloquent estimate of his character is thus given in the Brooklyn *Standard-Union*, from the pen of one who knew him long and well: "Good government and clean politics suffer a serious, if not irreparable, loss in the death of Election Commissioner Williams. To those not long and well acquainted with him, the expression of the plain truth concerning his character and his life will, perhaps, seem to partake of the customary eulogistic compliment, and to be, as is too often the case, an application of the classical injunction to 'speak nothing but good of the dead.' To say this, however, of Mr. Williams, is to say nothing new. His fellow citizens, among whom and in whose constant observation and association his entire manhood has been spent, have never said, or had cause to say, aught but good concerning him. In every walk and department of life; in his relation to society, to family, the club; to business and to the public at large, he was, in all, the Christian gentleman of high, unsullied ideals, of sound and intelligent principles; of earnest and consistent action, and of steadfast and logical performance of duty. His taking-off, after long and arduous service for the party and for the cause to which his life had been devoted, and with which his political faith was identified, just as he had come to receive merited recognition; after a season of business depression, through which he had passed with credit untarnished and with success substantially assured; just at the beginning, as it were, of the harvest of life, comes with redoubled force and sorrow. The individual and personal phases of the event do not, however, fall properly within the scope of public comment. It is, however, almost impossible to separate them at the moment from the broader, larger and official considerations which the Commissioner's death suggests. His life in Brooklyn is not, in its best sense, ended, for the work which he did lives and will live after him."

The funeral services were held at Woodstock, on Saturday, August 17th. A spray of white roses, fastened with white ribbon, affixed to the front door, told the Brooklyn and New York visitors as they entered Woodstock of the home and place of death of their friend, to whose memory they had come to pay the last tribute of regard. The village was never more quiet. Soon after one o'clock the Williams residence, a modest two-story white frame structure, a typical New England village dwelling of the olden time, and hard by the old Congregational Church, now in the third century of its existence, was filled with those in attendance at the funeral, the numbers of friends from Brooklyn and New York being increased by many townspeople and citizens. Seats on the lawn in front, under the trees, accommodated those whom the house could not contain. The casket, plain black, trimmed with silver, was placed in the front parlor and surrounded by floral tributes rich and lavish. The visitors saw through its half open top the form and features of the dead. Disease had left little trace and the expression was lifelike and peaceful.

The Rev. William F. N. Dean, pastor of the Congregational Church, and who was two summers ago Mr. Williams' tenant in the Woodstock home, conducted the services, which were brief and of a formal character. From the words of I Thessalonians, iv: 18, Mr. Dean drew the lessons of the need of all mankind for comfort and consolation, and pointed out that only in the certainty of immortality, a better and a longer life beyond this, have we any adequate stay or resource for the sorrows and the sufferings of mortality. Only a general reference to Mr. Williams' life and character was made, and an editorial tribute to him read. In the parlor with the casket sat Mayor Schieren and Mr. Moore near the head of the casket, General Woodford near the foot, while the position of the minister in the open door made his words audible to the company on the lawn, as well as to those within the house. "Nearer, My God, To Thee," "Rest in the Lord," and a third hymn were the musical selections, by a soprano, with piano accompaniment, and after brief prayer benediction concluded the service.

From the home the little procession with heads uncovered followed the hearse the short walk to the burial plot in the churchyard adjoining. The pall bearers were Mayor Schieren, General Woodford, Mr. Charles A. Moore, Commissioner Moulton, President Frank P. Williams, Elisha S. Chapin, Peter McCartee, Frederic W. Hinrichs and Charles W. Compton, of Newark, were at the head, and next came Mrs. Williams, escorted by her brother, Dr. George Austin Bowen, and the three daughters by Edward Bowen, of Brooklyn, another brother, and Mr. C. Van Wagoner, their uncle, and their father's long time business partner. Then the friends and acquaintances followed, the company numbering in all something more than one hundred.

The spot of burial is in the new portion of the cemetery, with a far and commanding outlook to the east across the valleys and peaceful lake to the wooded hills which bound the view in every direction. Boughs and flowers covered everything, so that earth was nowhere visible; only the green lawn, the grave lined with white and strewn around its margin with flowers could be seen. The lowering of the coffin was followed by the brief sentences of committal and the benediction. The floral tributes that were both lavish and beautiful were placed on the gravel beside the grave. As the last office for the departed closed, the sun, obscured during the day to that hour, broke through the clouds.

Among the floral offerings was a wreath of English ivy nearly three feet in diameter, with large purple asters at the knot, sent by the New York Hardware Club. On an accompanying card were these words, "From the Board of Governors of the Hardware Club of New York," followed by this quotation from Hamlet: "Good night, sweet prince; and flight of angels sing thee to thy rest!" A chair bearing the words, "Our President," from the Brooklyn Board of Election Commissioners; a broken column from the Franklin Literary Society; a broken column from the Brooklyn Young Republican Club; a wreath, bearing the words "Van to Will," from C. Van Wagoner; an anchor, cross, large basket of flowers, three wreaths, and several other designs.

Among those present from Brooklyn, this city and elsewhere were Mayor C. A. Schieren, Gen. Stewart A. Woodford, Charles A. Moore, George E. Moulton, J. W. Erregger, B. F. Blair, Col. George A. Price, Frank P. Williams, D.W. Van Tine, C. W. Compton, E. Bowen, C. T. Stork, and the following committee from the Hardware Club: Peter McCartee, R. H. Swayze, Webster R. Walkley, A. D. Clinch, Eugene Bissell, J. L. Varick.

Aluminum is being employed for general clarifying purposes in German breweries in the form of corrugated strips. These strips are said to have the advantage over wood shavings in that they are non-absorbent and can be readily cleaned and are, therefore, hygienically preferable, while their efficiency is considered quite equal to wood shavings.

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Three Successful Novelties.

The Diamond Cutlery Co., No. 60 Broadway, New York, are meeting with great success in the introduction and sale of several Hardware novelties, three of which we are permitted to show herewith. Fig. 1 is their Diamond Skate Sharpener, an entirely new article which the makers say is "a new device for sharpening skates, which we have recently perfected, and are prepared to furnish to the trade at a price which will make it a winner." In detailed description of the same, they add: "The special features are worthy of mention; the simple adjustment of the special Diamond cut file permitting a fresh surface to be brought into position instantly, and without the use of any tools, also the pivoted handle which allows the surface of the file to follow the curved runner from heel to toe, without changing position of handle. This is an important feature, as it is practically impossible to tilt the Sharpener backward or forward, throwing the file out of level and roughening the runner (as is the case with all sharpeners having a rigid handle). The 'Diamond' is provided with a special cut file which will not clog, and works like a smoothing plane on any skate. The spring wings which guide the Sharpener, can be opened wider for a thick runner, or partially closed for a thin runner. The case being made of spring brass—nickeled, the file is readily released by slightly

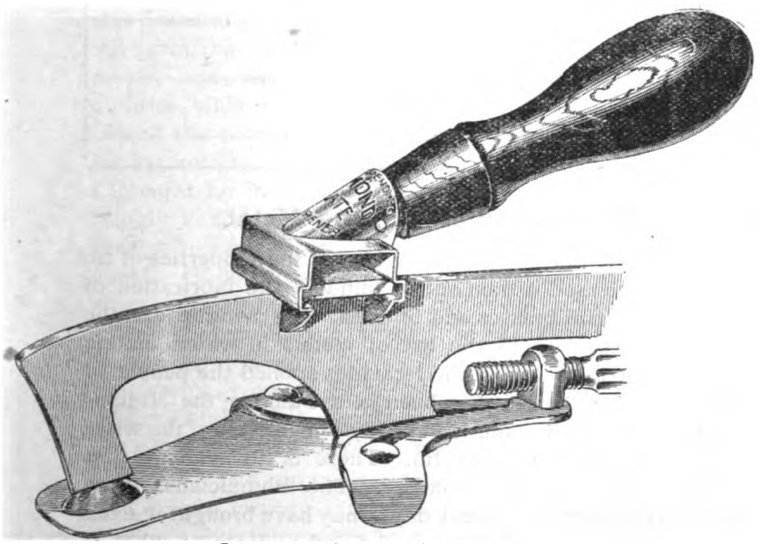


FIG. 1.—DIAMOND SKATE SHARPENER.

springing front of case outward. To sharpen a skate always push Sharpener from you, holding handle about horizontal with skate runner, pressing down enough to prevent Sharpener from jumping or tilting up on front corner, and after the nicks have been removed, slide the file to one side of case until it protrudes an eighth or quarter of an inch, then turn Sharpener at right angles to skate runners and push the protruding file along each side of the runner lightly, to remove the little wire edge which is sure to form during the sharpening operation. This will leave a keen, smooth edge that will last. Sample by mail, 25 cents. Price to the trade per dozen, $1.75." The makers also call attention to the point that "every boy sharpens his own skates and is happy; Hardware dealers sell one with every pair of skates, and hundreds to people who already own skates." They will be pleased to hear from all interested dealers.

In Fig. 2 we see their Diamond Knife Sharpener, which is described as a first-class article for sharpening carvers, table and kitchen knives, etc., and as leaving a keen and lasting edge. "It is made of spring brass, beautifully nickeled and provided with two special Diamond cut files, which are held in position by a very stiff spring. This Sharpener is entirely new and different from anything ever made before. It will put a razor edge on any kind of knife. Every housewife will buy one on sight; and, one sold in a neighborhood will create a demand for others, because a good knife sharpener is a much needed article, and the 'Diamond' is warranted to fill the bill." They want agents in every town, and will give exclusive territory to the right parties.

The third article in this attractive trio is the Diamond Shears and Scissors Sharpener. This convenient and effi-

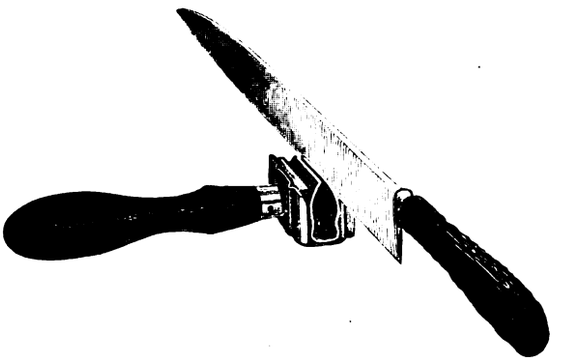


FIG. 2.—DIAMOND KNIFE SHARPENER.

cient device is of recent invention, and is referred to as having "already attained a wonderful and deserved popularity, and is rapidly coming into general use in this and other countries, immense numbers having been sold in the United States and Canada. It supplies a want which is keenly felt in every household, namely, a convenient method for sharpening shears and scissors, without loss of time, without excessive labor, without injury to the implements and with no appreciable expense. Sharpening scissors is one which is productive of very great trouble everywhere. The cost of the Diamond Sharpener is only 25 cents—a mere nothing in comparison with its utility; and when its effectiveness and cheapness are taken into consideration together, it is not wonderful that it has achieved such a great popular success in so short a time. The manufacturers of the Diamond Sharpener present the following claims to superiority in its operation: 1. It gives the exact bevel necessary. 2. It gives the same bevel the whole length of blade. 3. It does not turn a burr, but actually planes the steel away, leaving a keen and lasting edge. 4. It removes the planings from under the blade, so as not to roughen the edge. 5. No tools whatever are required in its use. 6. Any child can use it without injury to the finest scissors made. In addition to this it works very quickly,

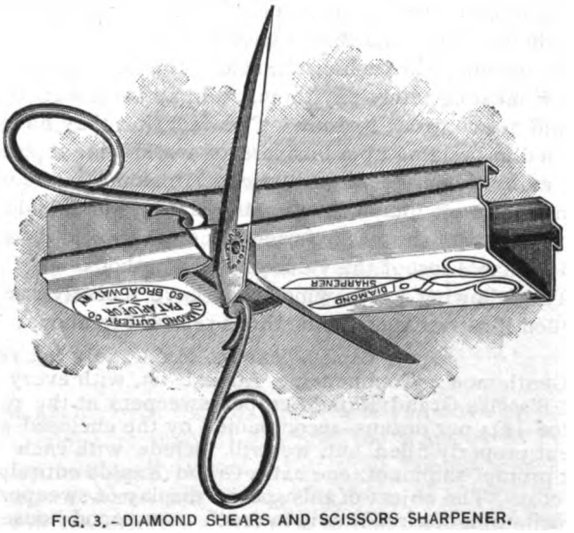


FIG. 3.—DIAMOND SHEARS AND SCISSORS SHARPENER.

and the manufacturers claim that the sharpening can be performed in half a minute." Further facts of interest in regard to any or all of these articles, can be obtained by addressing the Diamond Cutlery Co., No. 60 Broadway, New York City.

A tack factory two stories in height, and 30x60 feet in dimensions, is to be built by Lyman Reed, of Whitman, Mass.

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A Good Example.

Some manufacturers seem to think that the duty to their customers end when they ship their goods; they forget that their own success depends upon the success of their customers in selling the goods they have purchased, and let their customers devise their own means to dispose of their goods. This is one of the greatest mistakes any manufacturer can make. He should not forget that his customers have perhaps a thousand other articles to dispose of, and that his is but one of the many, and perhaps a very small one too. He is supposed to be a specialist in the goods he makes—to understand the selling points of his goods better—to create a demand for them quicker than his ever-busy customer; and if more manufacturers would co-operate with their customers more fully, they might be surprised by seeing a very rapid increase in their own business.

These remarks are caused by the recent offer of the Bissell Carpet Sweeper Co., Grand Rapids, Mich., in which they not only offer their customers complete assortment of finishes—a good supply of window and hanger cards, and circulars for distribution, but they go so for as to *actually pay* their customers for doing what most manufacturers take for granted their customers ought to do anyway. This is not the first time the Bissell people have co-operated with their customers in pushing the sale of their carpet sweepers, and it must certainly pay them, and pay them well, or they would not continue to do it. The fact that they have succeeded in building up a business of world-wide reputation, are many times the largest sweeper makers in the world, and from well founded estimates claim to have sold over 85 per cent. of the carpet sweepers of the world, is an unquestionable test of the value of their methods.

The following letter which they have recently issued, is a good illustration of the methods referred to above:

GRAND RAPIDS, MICH., July 29, 1895.

Gentlemen: Commencing August 1st, with every order for Bissell's Grand Rapids carpet sweepers at the regular price—$24 per dozen—accompanied by the enclosed agreement properly filled out, we will include with each dozen for prompt shipment, one extra Grand Rapids entirely free of cost. The object of this special display of sweepers and distribution of circulars, is to reach many good housekeepers who have use for a Bissell carpet sweeper, but who are still using the old-fashioned broom. The general plan offered is one that cannot fail to prove one of the most profitable we have ever placed at the command of our customers. We have aimed to make the method of display and distribution an easy matter and yet effective. Our circulars are neat and concisely worded. We will supply attractive window cards, and, as our part of the expense of displaying the sweepers and distributing the circulars, we will include in each dozen, one extra "Grand Rapids," the most popular and best selling $3 sweeper in the world.

This is a special offer made to take advantage of the extra demand for sweepers during the fall house cleaning season. At this time something must be displayed in your window—why not an attractive assortment of "Bissell" Sweepers? Packages must be wrapped up—why not include a "Bissell" circular? It will pay, and pay well.

Bissells are not experiments. There are millions in daily use. Nine times more Bissells than all other sweepers combined. They have a fixed value—a world-wide reputation. They are good sellers and will pay a quick and good profit. You can make no mistake by co-operating with us at this time.

Yours respectfully,
BISSELL CARPET SWEEPER CO.

PLEASE SIGN AND RETURN WITH ORDER.

This agreement will NOT apply to any orders unless properly filled out and mailed to us before September 30th, 1895, and then only for goods ACTUALLY SHIPPED before that date.

IN CONSIDERATION of receiving from the **Bissell Carpet Sweeper Co.,** one extra carpet sweeper free with each dozen "Grand Rapids" of the accompanying order, we agree,—

FIRST—(a) To devote one of our show windows to a SPECIAL display of this shipment of sweepers for at least ONE WEEK.
OR (b) To use them in a special display at a Local Fair or Exposition.

SECOND—For each dozen ordered under this special agreement, we also agree to distribute 300 special CIRCULARS to be furnished with sweepers, by either one of the following methods:
(a) By enclosing them in packages purchased either by or for LADIES.
OR (b) By reliable distributors from house to house.
OR (c) If a display is made at a Local Fair, by handing them to the better class of visitors.

THREE IMPORTANT POINTS.

1 Check the method selected to DISPLAY the sweepers.
2 Check the method selected to DISTRIBUTE the circulars.
3 Sign your FULL NAME AND ADDRESS.

Name _____

Street _____

City _____ *State* _____

Antiquity of Tin as a Metal.

The Chinese are said to have known the properties of tin and to have used it time out of mind in the fabrication of their wonderful brasses and bronzes. It is mentioned in the Book of Numbers in the list of metals in which, among other things, Moses and the Israelites spoiled the people of Midian. How long it had been in use among the Midianites nobody knows; nor is anybody much, if any, the wiser as to where they got their tin. There is no evidence that it was native of that country. The Phœnicians, those hardy traffickers of ancient days, may have brought it, even at that early date, all the way from the mines of what is now English Cornwall. If they did, there seems to be thereby a sort of common bond of interest established between ourselves and these old fellows, for in these days, as everybody knows, Cornwall is materially in evidence as a centre of the tin trade. It is not at all likely, however, that the tin plundered by the forefathers of the modern Hebrews from those unfortunate Midianites was in the form of thin plate. At the same time it is well to use a little caution about dogmatizing as to what the ancients did or did not know. The ancient Romans used tin for coating the insides of copper and brass vessels, but they seem to have made no use of it in a similar way with iron.—*Ironmongery, London.*

The city of Buffalo, N. Y., has asked for large space in the Manufacturers and Liberal Arts Building of the Cotton States and International Exposition for a comprehensive exhibit of the manufacturing and other industries of that city. Space has been assigned them, and an exhibit worthy of the city will be at once prepared.

The great wheel at Earl's Court, London, England, modeled after our own Ferris wheel, is completed and in full working order. This wheel is 300 feet high and there are cars enough to hold 1600 people. It is calculated that when the cars are all full the wheel will earn about $600 per journey.

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PRACTICAL TALKS TO HARDWAREMEN.

"BE SURE YOU ARE RIGHT THEN GO AHEAD."

One of the many important points to be impressed upon the understanding of a subordinate, and one that the manager should be sure is understood, is, that nothing should be attempted unless the idea is perfectly clear.

But, rather than appear dull of comprehension, the assenting reply is given when the idea is very vague. The following may illustrate the meaning.

"My first position entailing any responsibility" said a retired merchant, "was to make the payments of the city bills which our house settled monthly. My duties consisted in taking the statements and the amount which the bookkeeper prepared, and placed in a small hand satchel. Sometimes I would have only $50, again $200 or $300. On my first trip, the cashier counted the money, footed the statements and handed me the satchel, cautioning me about taking receipts for money paid out, and not to pay out more than the statements called for. It was considered quite an honor to make these monthly trips, and therefore when I was called into office I was very proud indeed, the elation somewhat turning my head. After I had started, I found I was dreadfully hazy on some points, but my pride would not permit my return to the office. I made several payments, and was congratulating myself on my business abilities, when I came to a store where the clerk who received the money said: 'See here, young man! this calls for $35 not $25.' He was very dictatorial, so much so that I thought he must be very high in authority, so I tremblingly handed over $10 more, and hurriedly thrust the receipt he gave me in the satchel and got out as quick as I could. Of course when I came to the last man I was $10 short—a contingency that had not occurred to me. Considerably crestfallen, I returned to the office and made my statement. Imagine my consternation when I was shown the receipt given me by my pompous friend for $25! Where was the $10? Well, I paid over my own money to make up the shortage, but the lesson was worth all it cost."

THE GREEN FIREMAN'S STEAM CLOCK.

We were moving into the new Powell Building of ten stories. Everything was in confusion, as the building was barely completed, the workmen having just arranged a test for the engine and boilers. As we were to occupy the basement and first floor, I was thrown in contact with the workmen, and became quite well acquainted with Bob, the foreman.

I had accepted his invitation to see the machinery start. The fires being lighted we sat in the boiler room, it being January and quite cold. The hand on the steam gauge commenced to move, and when it indicated 40 pounds, the engines were started and everything moved off smoothly.

Bob, who had had no sleep for 48 hours, lay down upon an impromptu bed made of cotton waste, first cautioning the fireman to keep the hand of the gauge at 40, and if it went higher to awaken him. Although the fireman assented readily, yet it occurred to me that he did not understand the direction. However, as Bob did not seem concerned why should I?

I returned to my work, and in arranging the goods, forgot my fears, when there came a hissing of escaping steam and shouts from the fireman, while over and above the din rose the sharp orders of the now awakened foreman.

The fires were drawn and after the excitement the fireman explained the situation.

"You said, keep that 'ere thing at 40, but you hadn't more'n laid down than it was way past, so I piled in the coal to push it on around, an' it was goin' all right, till it got to 2 o'clock and darn me if I could get it past."

Here Bob lost his patience. "Why, you blank fool," said he "you might have blown up the whole concern but for the safety valve. That gauge ha'int a clock. Look here, boys! the blame fool had 200 pounds of steam on and calls it 2 o'clock."

SHOP TALK.

Saturday night the boys were, as usual, discussing the happenings of the week.

The Tool Man told of an addition to the Hardware vocabulary. He said: "A mechanic was trying to describe a new tool he wanted, and to my question 'what is it used for?' he replied 'it's to make a hole in a brick wall, but I can't think of the Tick-Tanick name for it.' As a plugging chisel proved to be what he wanted I gave him its technical name."

"Anyone," said the Hardwareman, "would know it was a lady, who, wanting porcelain escutcheons asked for 'two marble fixings for a key-hole;' while a little girl who wanted some harness snaps asked for 'nippers for a bridle.'"

Here the Paint Man proposed the following question:

"Which would it be: man, woman, girl or boy who would ask for a can of 'Red Indians' Paint' and a 'Fob' for wiping up the floor?"

SHOP MAN.

Keep Awake.

If there be a maxim in the above note, it is: Keep awake. It is no use going about in these days with the eyes closed. The sleepy Hardwareman as a successful or useful member of the trade has passed away. Those who are the drones in the trade stand no chance in these keenly competitive times. There are still Hardwaremen who have never learned to cater for the section of the public who, in summer, are on pleasure only bent. There are trunks and dress boxes and a host of tourists' requirements which it is his business to sell, and which he can sell, if proper means be adopted, easily, in large numbers, and at good prices. Another good rub of the sleepy eyes will reveal the sight of many lady cyclists, some dressed in remarkably ill-becoming costumes, and suggest the thought that, although one may pray, perhaps, that the new woman in her present form may not be always with us, yet that she, like her sensible male relatives, is following a means of recreation which enables the Hardwareman, if he chooses, to add a lucrative special branch of legitimate business to his existing engagements. And then, again, many of the tourists now going to every part of the country and abroad, will like to take a camera with them, and the Hardwareman can and should be able to supply a complete outfit of photographic requisites. If these thoughts come, the result must necessarily be excellent, so far as the Hardwareman is concerned, and he will discover that the goose which lays the golden eggs is ever to be found in the shop of an enterprising, wide-awake member of the trade.—*Ironmongery, London, England.*

The Michigan Stove Co., Detroit, Mich., have hit upon a most unique method of keeping the housewives of the country continually reminded of their famous stoves and ranges. The new device is in the form of a cooky cutter made of tin and is a fac-simile of the trade-mark of the Garland Stoves and Ranges.

The Carnegie wire nail mills in Beaver Falls, Pa., have been purchased by the Consolidated Steel & Wire Co., of Chicago, Ill. Negotiations begun two months ago have been consummated and preliminary payments were made on the purchase price, which is said to be in the neighborhood of $725,000.

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Steel Buildings.

The advantages of this method of construction over any other is well exemplified in the case of the Carter building, says the Boston *Commercial Bulletin*. It is stated with authority that the space saved over the old method is worth in rent about $12,000 per annum. Where land is very expensive or where lots are small the steel structure is particularly practical, as it permits the saving of considerable interior space, and space is always a matter of great importance. In the modern steel structure masonry counts for very little, as the weight of the building is borne by columns. Such is the importance of the steel work that goes into these buildings, that the greatest care is taken in its manufacture. The best architects and knowing builders see that every piece of steel is carefully tested, and if not up to the standard it is thrown aside. The method of testing is a most severe one. The experts are hired and controlled generally by the architect at the cost of those who put up the building. The expert is stationed at the mill. Of such a nature is this work that two concerns in Pittsburg are making a specialty of furnishing experts to supervise it and are doing the principal work of this character in the country.

It is required of these experts that they thoroughly test each piece of iron and steel made in the mill, or in other words, physical tests are made of each melt. The test specimens should fill the following requirements: Ultimate tensile strength, from 60,000 to 68,000 pounds per square inch; elastic limit, minimum, 35,000 pounds per square inch; elongation in 8 inches, minimum, 25 per cent.; reduction in area, minimum, 40 per cent. In the bending test it is necessary that the iron or steel bend 180 degrees flat around a curve whose diameter equals the thickness of the specimens without a sign of a crack on the convex side. These tests alone satisfy the high standard of the material used, and when one considers how slender the modern steel frames are that hold up our buildings, the reason for this care can be easily understood. An expert also sees to it that properly marked pieces are put into the buildings, and those without proper marks are thrown aside. These experts are paid so much per ton, and make report to architects. Great care is taken that steel does not contain more than 1-10 of one per cent. of phosphorus.

In steel frame construction the skeleton of the building is generally erected first, before the masonry is started. Under the old method the iron and masonry were used together in the building of each story. Where bolts were used largely in the last mentioned form, the steel sections are riveted almost wholly in the first. A steel frame building thus riveted can be compared to an inverted bridge, for in fact the modern building is built on the bridge plan, and it is riveted in such a manner as to make it, to all intents and purposes, one piece of steel from top to bottom. Thus any strain which may be put upon the building will be shared by the structure as a whole and not confined to any one spot, as in the ordinary building.

The Face of a Watch.

We believe it was George Augustus Sala who once said he would think himself safe in betting a £5 note that not more than one person out of a score could tell correctly, offhand, in what way the hour four is represented on a watch or clock dial, says the *Ladies' Treasury*. Most people, without looking, would say IV instead of IIII. And why should it not be IV? Well, here is the story: The first clock which kept anything like accurate time was constructed by a certain Henry Vick, in 1370. It was made to the order of Charles V. of France, who was called "The Wise." Wise he certainly was in some respects, but he did not know everything, though he liked to pretend that he did. When Vick brought him his clock he looked closely at its movements for some time. "Yes, it works very well," he said at length, "but you have got the figures on the dial wrong." "Surely not, your majesty," said Vick. "Yes, that four should be four ones." "You are wrong, your majesty." "I am never wrong," thundered the king. "Take it away and correct the mistake." Vick did as comanded, and so to this day we have IIII, when we should really have IV. It is not generally known that watches may be used as compasses, yet such is the case. Point the hour hand to the sun, and the South is exactly half way between the hour and the figure XII on the watch. For instance, supposing that it is 4 o'clock. Point the hand indicating four to the sun, and II on the watch is exactly South. Suppose that it is 8 o'clock, point the hand indicating 8 to the sun, and the figure X on the watch is due South.

Interesting experiments have recently been made with a gun made of rawhide, at the Sandy Hook proving grounds. This novel piece of ordinance is the invention of a Frenchman, Frederick La Tulip, a resident of Syracuse. The gun is 5 feet 8 inches long, and was mounted on a home-made gun carriage. Its weight is only 456 pounds, a considerable part of that probably lying in the steel core, which is ¾ of an inch thick at the muzzle and 1½ inches thick at the breech. The officers had never seen or fired a gun like it, and they all placed sand and distance between themselves and the implement when it was fired. The gunner used a lanyard about 150 feet long and stood behind a bank. When the order was given to fire, all hands ducked and lay low for some seconds after the report; for it was believed that the gun would not last. To the surprise of all, the cannon had endured a strain of 2½ tons to the square inch. This strain was increased by heavier charges of powder until it had gone up to 30,360 pounds to the inch, at which point it broke from its carriage with force of the recoil. The endurance of the gun is no doubt due to its great elasticity.

An ironmonger in the south-east of London sold a small gas stove the other day to a person who returned with it shortly afterwards, complaining that it was defective, as there was a hole in the underneath part of the pipe (pointing out the aperture to admit the air), which the assistant ought to have seen was large enough for the gas to escape. The following story was recently told by a "man on the road": A married lady had a birthday anniversary a short time ago, upon which her husband presented her with a pretty piano lamp. He was much flattered when she told him she intended to give it his name, until he asked her reasons for so peculiar a proceeding. "Well," said she, "you know, dear, it has a good deal of brass about it, it is handsome to look at, it is not remarkably brilliant, requires a good deal of attention, is sometimes unsteady on its legs, liable to explode when half-full, flares up occasionally, is always out at bed-time, and is bound to smoke." —*Ironmongery, (England)*.

W. F. ROCKWELL, HARDWARE, WYMORE, NEB., July 23, 1895.

HARDWARE: Enclosed please find check $1 in payment for another year's subscription to HARDWARE, which I find a valuable journal. The advertisements alone are worth the price of the magazine, which, with the notices of new goods, improvements, etc., can be made a source of profit to any dealer—oftentimes one issue containing information of far more value than the dollar your magazine costs. Yours truly, W. F. Rockwell.

One of our large steel mills located in Ohio has just shipped a consignment of 1000 tons of steel billets to England. This shows the substantial footing on which our American industries are now based.

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Making Barbed Wire.

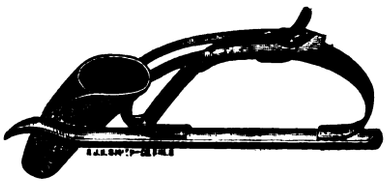
When passengers in the railroad trains look from car windows upon the endless miles of sharp-pointed barbed wire that is stretched upon posts upon either side of the roadway, they, no doubt, give but few thoughts to the stages through which the wire passes from the mine to the fence. Yet it is an interesting study and well worth knowing something about in all its details, says a writer in a New York exchange. All the barbed wire is now made of soft steel. When the ore is taken from the mine, it goes directly to the blast furnace, which is a huge iron tower, forty or fifty feet high, lined with brick. Powerful engines force a stream of heated air (called a blast) through openings in the sides of the furnace, near the bottom. First, is put into the furnace a layer of fuel (coke), then a layer of limestone (flux), then some ore; each of the materials is carefully weighed, so that just the required amount is placed in the furnace. The limestone greatly assists in the melting of the ore, and it takes from ten to twelve hours to reduce one "charge." The iron sinks to the bottom of the furnace and the foreign matter, called slag, floats on the top of the iron. The slag is first run off and then the iron. Attached to the furnace is a large shed with a sand floor, in which are numerous moulds about three feet long and four inches square. The iron runs into these moulds through a channel on which the ends of the moulds open. When cold, the iron is taken out of the moulds and called pig iron. The pig iron is taken to the steel mill, where it is melted and combined with a certain amount of imported pig iron, after which it is poured into a large portable iron vessel called a converter. A powerful hot air blast runs through the bottom of the converter and blows through the iron, greatly increasing the heat and expelling all impurities. The metal, which is now steel, is poured into large cast-iron moulds, which hold from twelve hundred to fifteen hundred pounds. These pieces are called ingots.

Everything about the steel mill is handled by machinery —hydraulic cranes carry the ingots from place to place— and very little manual labor is necessary. The ingots are heated and passed several times between large iron rolls, which gradually decrease the diameter of the ingots until they are about four by four inches. The last time they come through the rolls they pass under a huge machine which cuts them into regular lengths, weighing about one hundred and fifty pounds. Then they pass to the rod mill, where they are heated and passed through a number of smaller rolls, which run at a very high speed. Here the steel is rolled into round rods about three-sixteenths of an inch in diameter, and are coiled into bundles by a machine while hot. They then pass to the wire mill. In the wire mill the rods are first immersed in a bath of diluted sulphuric acid, which eats off all rust and dirt. After being washed free of acid they are dipped in a thick solution of lime water, dried in a furnace, pointed on one end and taken to the drawing room. The drawing machine consists of a heavy wood table, called a bench, on which are a number of revolving cast iron cylinders, called blocks. In front of each block, fastened to the bench, is an iron die box for holding the die. The die is of chilled cast iron, perforated with a number of holes, which are reamed out to the size of the wire required. The pointed end of the rod is put through one of the holes in the die and fastened to the block, which, in revolving, pulls the rod through the die, reducing the size and coiling it up. This last operation is repeated twice for each rod to get it to the size required for fence wire No. 12½.

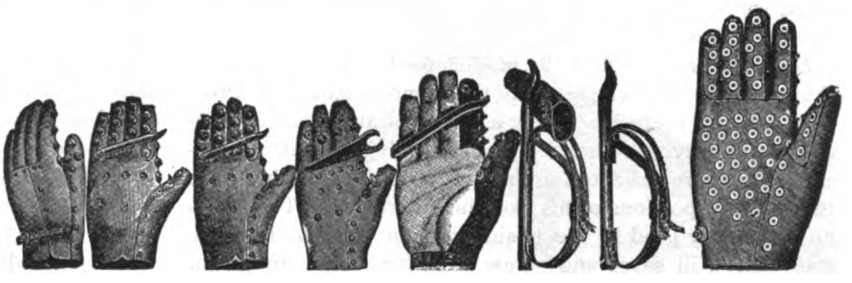
While drawing, the wire has become very hard and brittle, and has to be softened before it can be worked into fence. All barbed wire is either painted or galvanized. For painted fence, the wire is taken from the drawing room to the annealing department and placed in large iron pots, which hold about four thousand pounds each. These pots, which are inclosed in furnaces, are heated until the contents are red hot; they are then allowed to cool gradually. This process is called annealing, and requires about twenty-four hours; the wire is then very pliable. For galvanized fence the wire is taken from the blocks to the galvanizing department. Here the coils of wire are placed separately on wooden reels, which revolve as the wire is first put through a pan of melted lead heated until it is red hot (this answers the same purpose as the annealing process, the lead being so hot does not stick to the wire). After passing through the lead pan, the wire is carried a distance over rollers until it has cooled off; it then passes through a vat of muriatic acid, which removes all dirt from the wire. Without this acid the galvanizing would not adhere to the wire. From the acid the wire passes through a large iron pan of melted zinc or spelter, which forms a thin coating on the wire, and then between two pads of asbestos, which remove all surplus metal and give the wire a smooth finish. The end of the wire is then fastened to an iron pulley, which, as it turns, coils the wire up and pulls it through the various stages of this process. Wire, after being galvanized, will stand exposure for a number of years without rusting.

The Blair Husking Gloves.

The Blair Husking Glove Co., Bucyrus, Ohio, have so thoroughly impressed the knowledge of their goods upon the Hardware trade of the country, that they hardly need any form of introduction to any dealer. It may be proper,



however, to here state that the company are in the market this season with a better and more extensive line than ever, and that they guarantee all their goods as first-class in every respect. We are permitted to illustrate a few of their leading articles in this connection. They make, for instance, a glove of the best selected heavy oil tan calf leather, with copper rivets and burrs, that protect all the wearing parts thoroughly. The makers speak of this as "the most durable glove that has ever been offered to the trade for general use," and add that "by applying any husking pin it will make the best corn husking glove ever made." They have another article which is described as



"the husker of huskers;" as comfortable on the hands, and a special protection to the wrists because of their extra length. This entire glove is made of duck, and all the wearing parts, seams and joints are covered with leather, and protected with steel disks, "making the best wearer and best seller, and the lowest priced goods on the market." They also make wrist supporters, husking pins, etc., and will be pleased to send prices and illustrated descriptions upon application.

"Women," said the old lady, "are the biggest fools in the world—except men."

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An Aged Maker of Tools.

"I have made about everything in the line of tools, from a sewing machine needle to a steam engine," said Edwin S. Hill, whom his fellow workmen declare to be the oldest maker of tools in the city, says the Boston *Globe*.

Mr. Hill is short of stature, with hair and whiskers tinged with red, and when he is working away amid a host of others, in a busy machine shop, there is nothing about his movements to indicate that he is the oldest maker of tools in the hub. Mr. Hill was born in Hopkinton, Aug. 21, 1832, and has been for the past forty-one years engaged in the tool-making business. While he was quite young his parents moved to New Hampshire, and in the granite state he received his education, in Litchfield, Nashua and Peterboro. He was brought up on a farm, and when quite young was sent to learn the harness-making trade. Three and a half years at the harness-making business, however, gave him all of that kind of work that he relished, and in 1846 he went to Worcester and started in to learn the machinist's trade.

It was the year of the big fire in Worcester, which old-time residents of the heart of the commonwealth will doubtless remember, and after his exertions at the fire Mr. Hill was sick for a month. That was in 1854. He was then working for the old Howard & Davis Clock Co., and as the establishment was burned out in the fire, the firm moved to Boston, to East Street, which is now known as Albany Street. There they made everything from a clock to a fire engine, and Mr. Hill was working on sewing machines. He remained with the firm for four years, during which he learned the machinists' business throughout, and in 1859 he turned his footsteps toward New York, where he engaged in the manufacture of sewing machine needles until 1862.

Then he came back to Massachusetts and went to work in Salem, taking charge of the machinery in a shoe factory for James Trefren, and after a year with that concern he went to Peterboro, N. H., the scene of many of his boyish pranks. He worked in a machine shop in Peterboro for a year, and then went to Winchendon, Mass., and from there to the old Spencer Rifle Mfg. Co. His next work was for a Mr. Barber, on Green Street, Boston, on sewing machines, and from there he went to Bowker Street to work on needle machinery for Haskell & Edwards.

He then essayed the needle business on his own account in Abington, and after three years' experience in that town went to work for the Waterbury Brass Co., at Waterbury, Conn., later on transfering to the Seth Thomas Clock Co., at Thomaston, Conn. He tired of being out of Boston, however, and so decided to return to this city. He worked in turn for the several firms, and three years ago went to work for William Hall & Co., on Sudbury Street, where he has been since.

Mr. Hill made most of the models for the Bell Telephone Co., when it was engaged in the famous suit with Prof. Dolbear, and there is scarcely a model of any piece of difficult machinery, whether telephone, sewing or knitting machine that is represented in the patent office at Washington, that has not portions of his work included in it. There was no machinery used in the business when he went into the trade, Mr. Hill says, and screw machines were unknown. A lathe with a temporary turret, which the men rigged up themselves, was all that was used for what to-day is one of the most important factors in the use of machinery in tool shops. Still Mr. Hill declares that the introduction of machinery has not hurt the trade, to any extent, and he has not the least hesitatiou in saying that the wages for men engaged in the business to-day are far above what was paid in his young days.

Philadelphia is preparing to make a splendid exhibit of heavy machinery at the Cotton States and International Exposition.

Australian Trade With America.

Colonel Bell, the United States Consul at Sydney, contributes to the *Seattle Telegraph* an article on Australian trade, from which we take the following passages: In this age of gigantic things but few people in the business world of America, or even in the world of books, have appreciated the commercial importance of Sidney, the chief port and capital of New South Wales, and the metropolis of Australasia. Few of our people realize that this colony has a superficial area of 310,750 square miles, or 198,840,000 acres, an area nearly equal to the three great Pacific States, California, Oregon and Washington, or as great as the combined states of Ohio, Indiana, Michigan, Illinois, Iowa and Missouri, or that it has great commercial value. Nor is this the largest of the Australian colonies, as Western Australia has 1,060,000 square miles, South Australia has 903,690 square miles, and Queensland 668,497 square miles, while Victoria has 87,884 square miles, making a total of 3,030,771 square miles on the Australian continent, or an area more than equal to the land surface of the whole United States and territories—aside from Alaska. New Zealand, one of the "seven colonies," has an area of 104,371 square miles, and Tasmania, another, has 26,240 square miles, giving a total area of 3,161,458 for the seven colonies.

The commercial importance of this country cannot be properly estimated by a mere reference to the population, for to those whose attention has not been directed this way there are many surprises. To many very intelligent persons the exhibit of New South Wales at Chicago conveyed the first knowledge that this was a country of any considerable importance. Few people in America realize that Sydney has a population of 411,000, that it is as substantially and beautifully built as any city of its size in America, and better paved than any other city in any country, or that in the value of its export and import trade it ranks fourth among the great ports of English-speaking Britain—only London, Liverpool and Hull leading—and sixth in the whole British empire, only Calcutta and Bombay being added to the cities above enumerated. The harbor, Port Jackson, upon which the city is situated, is probably the finest, most commodious and safe on the globe, and Sydney is a centre in which the ships and trade of the world meet in open, equal and fair competition for the trade of this most distant of all the great commercial centres of Christendom.

That we have people and firms in America who desire this trade is evidenced by the fact that some goods now come, and successful agencies are well established. That there is a natural tendency for American goods to seek outside markets is shown by the fact that our people pay annually at least $150,000,000 to foreign shipowners for carrying our cargoes to the points where they must compete with the people who own the ships. Why, in this desire and effort for outside trade which we must have or soon deteriorate, do we ignore this country, so peculiarly well prepared to supply one at least of our greatest wants—wool? Other nations are not slow in appreciating the wonderful value of the Australasian trade, and we are outstripped in a competition where we should be masters of the situation. Every country but ours is reaching out and making efforts to "busy giddy minds with foreign" enterprises, and to lure them by foreign profits. We, who are most in need of a foreign market for a stupendous surplus, and who are best prepared by wealth and skill and genius to challenge the world for open competition, most need to broaden the fields of industry and to interest the ambitious and discontented by opening up new opportunities for commercial enterprise.

What seems to be the very latest novelty in the aluminum line, is in the form of rifle stock, used by a marksman at the recent match at Bisley, England. It is claimed that the substitution of the metal avoids the risk of warping to which wood stocks are liable.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Christman Combined Shutter Lock and Bower.

The illustrations herewith represent the Christman Combined Shutter Lock and Bower which the Wrightsville

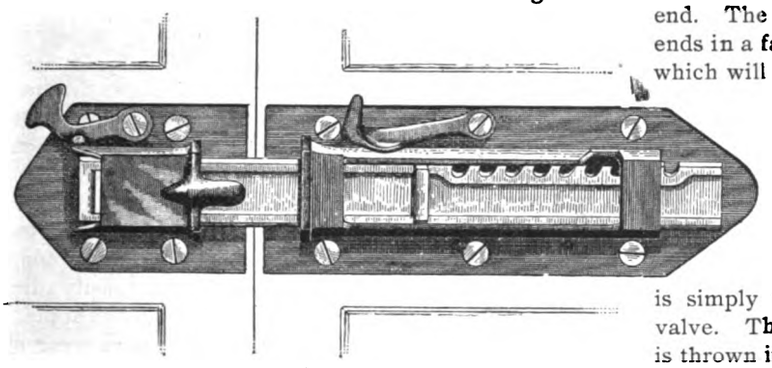


FIG. 1.

Hardware Co., Wrightsville, Pa., are placing on the market. This device is described as having a very simple bowing arrangement. The free movement of the bolt in the operations of locking or unlocking is not interfered with, and there is nothing, it is stated, in the construction of the Lock to make it less durable than a plain, common bolt. The

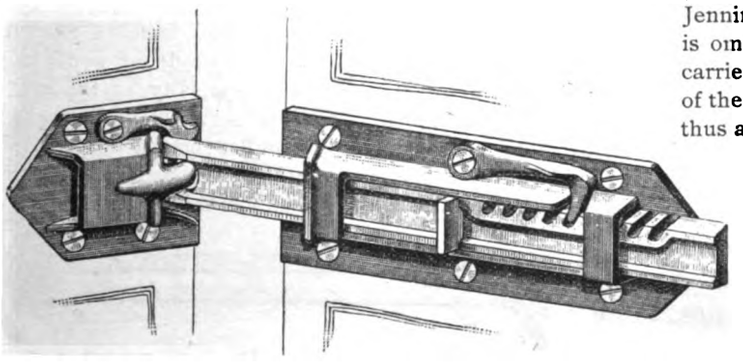
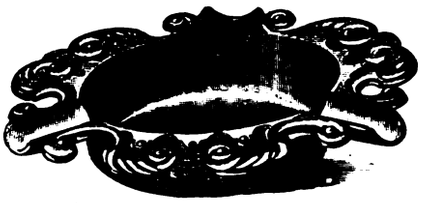


FIG. 2.

finger piece is made solid with the bolt. All the parts are said to be fitted and fastened together before the complete article is japanned or galvanized, thus preventing the appearance of unsightly rust stains on the shutter beneath the lock.

New Ash Receiver.

Bernard & Frank, No. 174 Fulton Street, New York, are the patentees and manufacturers of an Ash Receiver illustrated herewith, which they are just placing on the market. The Receiver is made in bronze and in brass, both deco-



rated and plain, in several handsome patterns. The special features which recommend it to the sedentary smoker, are the cigar rests attachment, a grooved projection, in which the lighted cigar may be laid when sitting at the desk or card table. This obviates the risk of burning the table, table cloth or desk, which is often incurred by smokers when, in default of any such convenience, they place their live cigar on the edge of the table or desk.

The Lloyd Window Brush Handle.

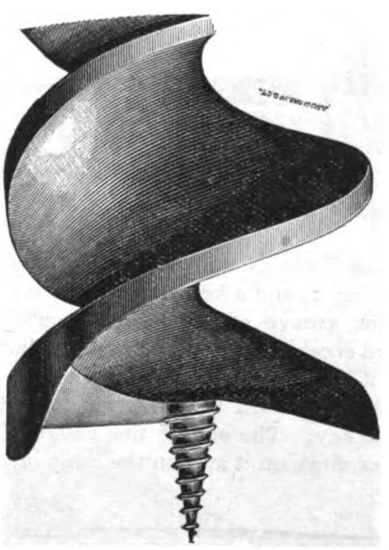
Henry F. Knowles, No. 49 Federal Street, Boston, Mass., is the sole agent for the Lloyd Patent Window Brush Handle herewith shown. The handle is grooved from the bottom to within three inches of the brush end, and a tube is laid in the groove its full length, leaving the handle at its end. The tube then bends over the back of the brush and ends in a fan. On the lower end of the handle is a valve which will fit any ordinary garden hose. In use the water



is simply turned on, the supply being regulated by the valve. The water passes through the tube, strikes the fan, is thrown in a sheet on the brush, which spreads it over the window. When used in rinsing the brush is simply held away from the window giving a stream of clear water. The handle is adapted for store, office, residence, and railroad car washing.

Jennings' Perfection Extension Lip Auger.

The Extension Lip Auger herewith illustrated is being introduced by S. H. Jennings, Deep River, Conn. It is explained that one half of the Auger is the same as Russell Jennings' Extension Lip Bits and Augers, and that the spur is omitted on the other side of the Auger and the floor lip carried down obliquely, so as to cut to within about 1-16 inch of the end of the spur on the opposite side. The friction is thus almost entirely avoided, it is remarked, and that as the



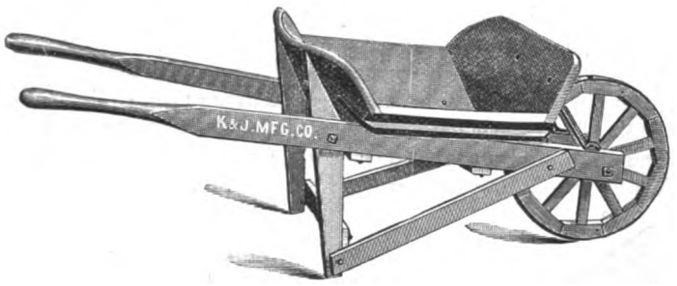
cut of the floor lip on one side crosses the cut of the floor lip on the other side, the chip is cut in two, coming out in small pieces to avoid clogging. The point is made that this feature renders it superior as a ship auger or a millwright auger. It is stated that as the spur cuts ahead of the lip, outlining the hole, it performs perfect work, and that the strain on the spur is so relieved that the one spur will do more work than three spurs under the old construction. The object aimed at in this Auger has been to overcome the firction caused by the spurs when forced into hardwood, to perform perfect work, and to avoid clogging, all of which

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is claimed, has been accomplished. It is not intended to make augers for use in a brace smaller than 1 1-16 inch, nor for any other use smaller than 1 inch in size. S. H. Jennings is president and treasurer of the Russell Jennings Mfg. Co., but has concluded, we are advised, to sell this patent Auger in his own name. The same list prices will be used on the Russell Jennings extension lip bits.

Railroad or Canal Barrow.

The Kilbourne & Jacobs Mfg. Co., Columbus, Ohio, who are known the world over as manufacturers of wheelbarrows, etc., are placing upon the market with great success,



the article here shown. It is a bolted Railroad or Canal Barrow, with Jacobs' patent No. 2 wood wheel; is painted; and of the following sizes: Diameter of wheel, 17 inch; tire, 3-16x1⅛ inch; spokes, ⅞x1 inch; ½ inch axle bolt. Full sized bent tray, planed, cleated and strapped together, and well finished. Bolted securely to frame. The legs extend upward, serving as a brace to the bowl, to which they are bolted. They are also bolted to handles. The makers say: "This Barrow has all the merits of other bolted barrows, and, in addition, has the Jacobs' patent wheel, superior in every way to any wood wheel manufactured. The wheel revolves on a fixed axle bolt, ½ inch in diameter, similar to a buggy wheel, and runs true and evenly. The Barrow for railroad contractors. Knocks down completely for shipping, and is easily set up. Weight, 50 pounds." The company will be pleased to send full catalogue upon application.

Cleveland Grip Socket for Twist Drills.

The Grip Socket designed by the Cleveland Twist Drill Co., Cleveland, Ohio, is intended for holding and driving taper shank drills and other tools. A groove which is an

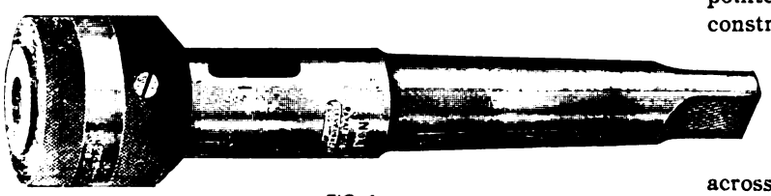


FIG. 1.

arc of a true circle is milled in the shank of the drill, as shown in Fig. 2, and a key let into the body of the socket fits into the groove and is locked securely in place by a turn of the eccentrically counterbored collar. After the key is locked it is impossible for the tool to slip in the socket or to be pulled out until the collar is turned back again to release the key. The end of the collar is beveled, and a plain index mark on it and on the body of the socket shows

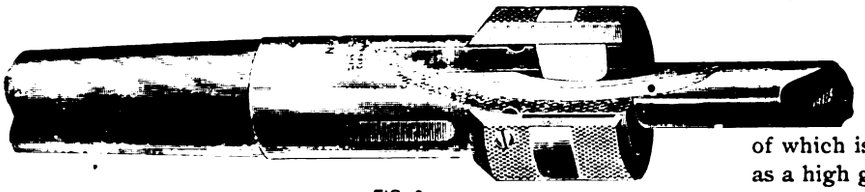
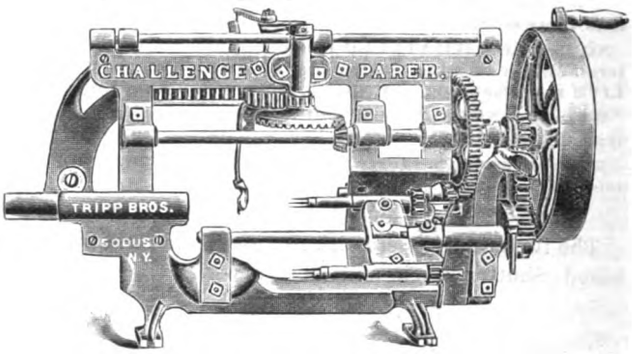


FIG. 2.

when the key is released. Drills or tools that have had the tangs on the shanks twisted off can be used in these grip sockets successfully. Boring bars for undercutting can also be used without any danger of their pulling out of the sockets,

The Challenge Parer and Corer.

Tripp Bros., Sodus, N. Y., are putting on the market the Parer and Corer herewith illustrated. By removing the crank the machine is converted from a hand to a power parer, and may be belted direct from the main shaft, no connecting shafts being required. There is a clutch on the



main shaft operated by a hand lever, to enable the machine to be stopped or started instantly. The boxes are made adjustable and are bolted to the parer frame, each having a brass lining. The shafts are made very long, this being referred to as a desirable feature, especially for the reel shaft, as it enables the reel to be held rigid when locked. The makers remark that the machine is simple in construction, that all parts are readily accessible and easily adjusted, and that but three turns are required to pare an apple. The point is made that the cutting or excessive wear of the gears, common to reel machines, is in this machine entirely overcome. The Parer is designed for use in canning houses and evaporators, or where apples are pared in considerable quantities. It is stated that the capacity of the machine, when run by power, is 100 bushels per day, and when run by hand that it will pare from 70 to 85 bushels per day, according to the expertness of the operator.

Cary's Skeleton Pail Clasp.

The Cary Mfg. Co., Nos. 5–9 Elm Street, New York, have placed on the market an improved form of Skeleton Pail Clasp, as here illustrated. It is made of good stock and is very tough. It is designed especially for the use of shippers of butter, lard, cheese, preserves, jellies, crackers, candy, tobacco, oysters and similar commodities. It is pointed out by the manufacturers that from the peculiar construction of this clasp it can be driven easily with or



across grain without splitting the wood. It will be seen there are three strong prongs at each end, fashioned much on the principle of brads; also owing to the flexible skeleton back they will bend easily and closely around sharp corners. They can be furnished in four sizes, viz., 2¼, 2¾, 3¼ and 3¾ inches long. They are sold by the 1000 and packed in 50 and 100 pound boxes, or in barrels.

The Sandow Wrench.

Lavigne & Scott Mfg. Co., New Haven, Conn., are putting on the market the Sandow Bicycle Wrench illustration



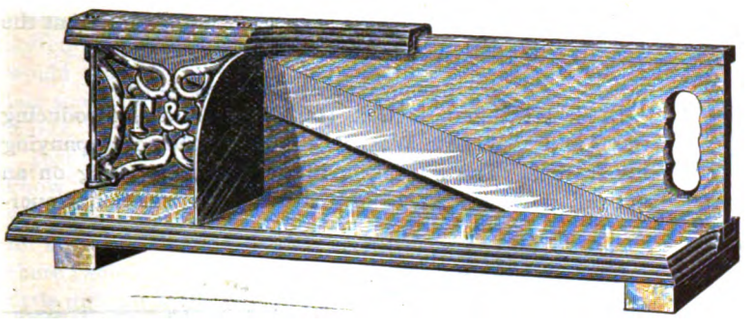
of which is here given. It is offered by the manufacturers as a high grade tool for bicycle and household trade. It weighs about 5½ ounces, is highly polished and finished with a heavy coat of nickel, and we are told, made of the best quality steel. The jaws, which are case hardened, are but 3-16 of an inch thick, which enables the user to get at nuts which, owing to their position, could not be reached by wrenches having jaws of greater thickness. The Wrench

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is said to be light, strong and durable, and it is pointed out the leverage increases with the size of the nut on which it is used. The Wrench will take any nut to 1¼ inch in diameter.

The "T. & D." Slicer.

The Tucker & Dorsey Mfg. Co., Indianapolis, Ind., are manufacturing an improved meat, bread and vegetable Slicer, per accompanying illustration. The desirable features claimed are simplicity, strength and durability, quick and accurate adjustment and perfect shear of knife, which bears against an iron bracket instead of wood. The woodwork is of oak, well seasoned, varnished and polished; the



knife of special steel, ground to a fine cutting edge; the iron bracket and other castings nickel-plated. By loosening the set screw and moving the gauge the cutter may be adjusted to any thickness. It will slice equally well dried beef, cold tongue, Saratoga chips, bread, cold slaw and vegetables of all kinds. Special mention is made of its bread cutting qualities. An excellent article for hotel, restaurant, boarding house, grocery, meat market and family use.

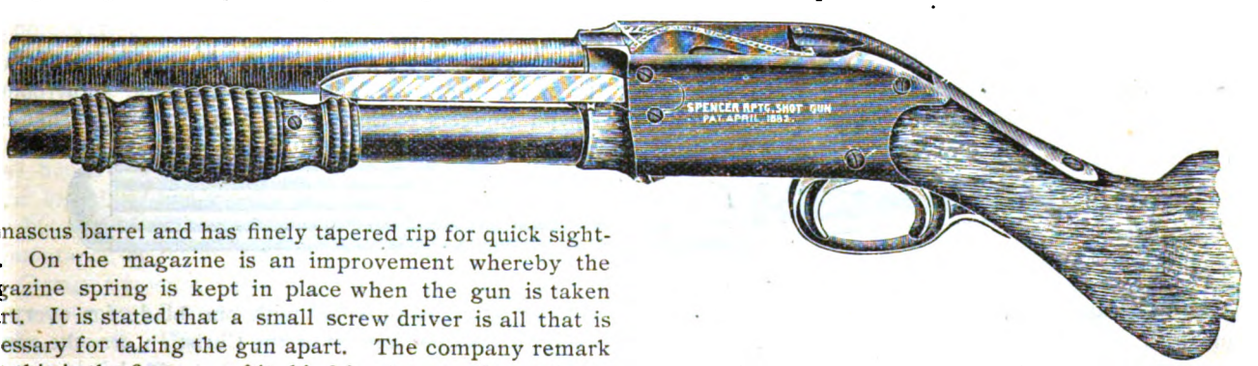
The Pai point Mailing Box.

The Pairpoint Mfg. Co., New Bedford, Mass., are putting on the market the Mailing Box represented in the accompanying illustration. It is made of heavy cardboard and is designed principally for sending samples through the mails. The operation of opening consists in merely turning the little brass fastener shown in the illustration, upward when the cover opens easily. It is almost impossible for the cover to slip when the catch is properly adjusted.



Spencer Repeating Shotgun.

Herman Boker & Co., Nos. 101-103 Duane Street, New York, have just put on the market their new Spencer Repeating Shotgun for trap shooting. The gun is made with



Damascus barrel and has finely tapered rip for quick sighting. On the magazine is an improvement whereby the magazine spring is kept in place when the gun is taken apart. It is stated that a small screw driver is all that is necessary for taking the gun apart. The company remark that this is the first gun of its kind for the use of trap shooters combining all the points required, and that it is turned out in response to request for a trap gun as the result of the large demand created for their regular gun.

The Eureka Vine Fastener.

M. D. Jones & Co., No. 368 Washington Street, Boston, Mass., are putting on the market the Eureka Vine Fastener,

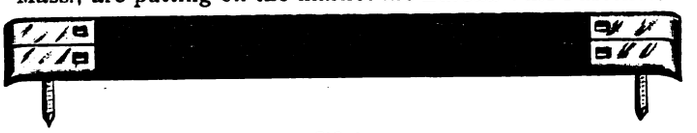


FIG. 1.

illustration of which is here shown. Fig. 1 represents it full size; Fig. 2 shows the Fastener applied to a tree. The Fastener is made of strong woolen braid, with metallic tips and wire nails. It is explained that it is sufficiently stiff to

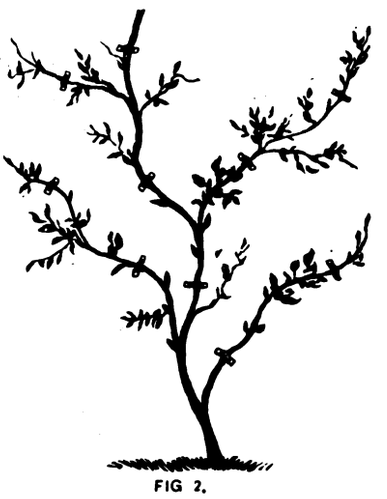


FIG 2.

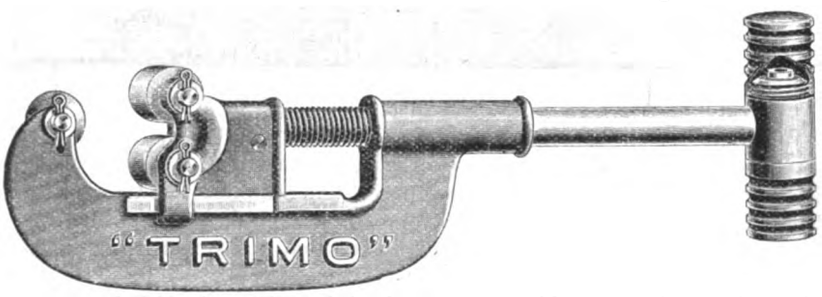
support itself while being put up; that the nails being attached, all danger of hammering the fingers is avoided, and that carrying a nail box is unnecessary. The Fastener may be used on house vines, grapevines, etc., and is designed as a durable, cheap and convenient device for these uses.

Trimo Pipe Cutter.

The Trimont Mfg. Co., Roxbury, Mass., are introducing the Pipe Cutter shown in the accompanying illustration. The frame of the cutter is drop forged from bar steel, the cutting wheels are drop forged from the best of tool steel, and the burr removing rolls are case hardened. It is explained that the construction of the cutter is such that when used as a single wheel cutter, as shown in the cut, it does not crawl either to the right or to the left, but cuts a square end, also saving materially the breakage of the cutting wheel. The point is made that no burr is left on the pipe, but that it is smooth and ready for the threading die without the use of a file. Each cutter is accompanied by two extra cutting wheels, a receptacle for which is provided in the handle. The cutter is convertible from a single wheel with rolls into a three-wheel cutter by substituting the two extra cutting wheels; when the cutting wheels are in use the two rolls can be placed in the handle from which the cutting wheels have been taken. The tool has an antifriction washer placed at the end of the screw in the block that carries either rolls or the cutting wheels, to enable the operator to turn the screw with little resistance, to imbed the cutting wheel into the pipe, and also to prevent chipping of the cutting wheels by the twisting of the frame.

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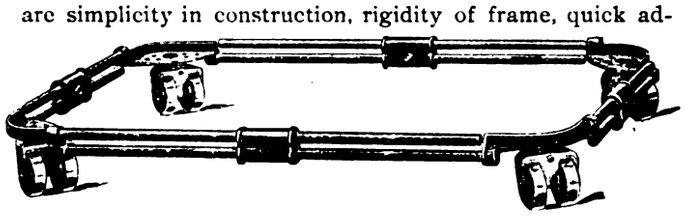
The bearing for the handle in the frame is long, so that when the cutter is opened to its full extent the thread of the screw will not come out of the frame, the screw being



surrounded by the socket of the frame to provide strength where it is required. The company remark that in practice they have found that the screws upon which cutter wheels revolve work loose, and to avoid this they have substituted straight pins, held in place by cotters. These are designed to make it more convenient when changing from a single wheel with rolls to a three-wheel cutter, and also to add strength, as the pins are of increased size. The manufacturers state that the tool is made throughout in a workmanlike manner.

Tucker's New Stove Truck.

The attention of the Hardware and stove trade is called to the improved Tucker Stove Truck, see accompanying illustration, manufactured by the Tucker & Dorsey Mfg. Co., Indianapolis, Ind. The chief points of merit claimed are simplicity in construction, rigidity of frame, quick ad-



justment and light weight. Will adjust from 18x24 inches to 30x40 inches and holds the legs of stoves only 2½ inches from floor. The frame is all steel and malleable iron; is mounted on Martin's truck casters and finished in oil. Has a very neat appearance under stove.

Coe's Belt Punch and Lacer.

The accompanying illustrations represent a tool for punching, enlarging and lacing belts, offered by G. D. Oberschelp, No. 1607 N. Broadway, St. Louis, Mo. The device is referred to as a small, handy tool, the punch and awl made of one piece of best cutlery steel, tempered for the purpose and nicely finished. It may be sharpened when dull. The handle is of corrugated brass tubing, made to fit the punch and awl, and affording a firm grip for making holes and for lacing. The tool as shown in Fig. 1 is for making holes of any size from 1/8 to 3/8 inch in diameter, in any kind of belting, for lacing, and is designed to supersede the common belt punch with which a hammer must be used. It is

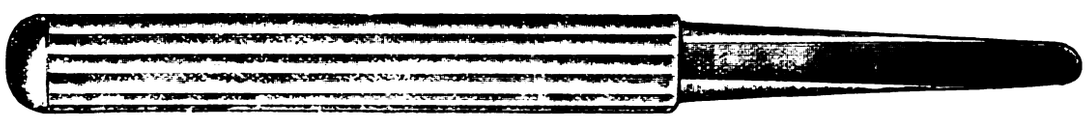
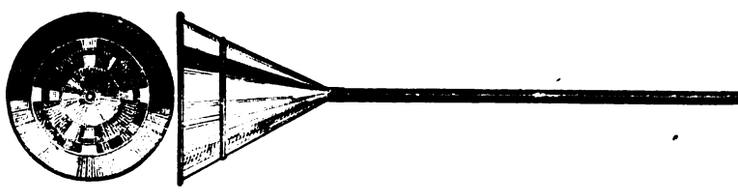


FIG. 1.

explained that with this tool holes can be made uniform in size and with smooth, clean cut edges; also that belts can be punched and laced in places where the ordinary belt punch cannot be used. In Fig. 2 the other end of the tool is shown used in connection with the same handle. This end of the tool is a slotted awl to be used for enlarging the holes and for lacing. The slot is used to insert the end of the lace to be drawn through the belt, and avoids pointing the lace in order to get it started through the hole. The awl is inserted in the hole, the end of the lace is laid in the slot, and by withdrawing the awl the lace is drawn through. The point is made that only this tool is required to lace a bolt; that one man can punch and lace any sized belt without an assistant to hold tools or a block of wood; that a belt can be punched and laced on pulleys by the aid of a ladder, without taking it down on the floor, and there is no danger of injury to the hands when using the tool, as the end not in use is in the handle, and that the tool may be carried in the vest pocket like a pencil.

Compressed Air Washer.

E. M. Heathman & Co., Hamilton, O., are introducing the Compressed Air Washer, shown in the accompanying illustration. The washer is referred to as working on an entirely new principle, and that instead of friction it oper-



ates by compressed air and suction, forcing hot suds through the goods with sufficient force to remove all dirt from a tub full of clothes, cleansing them in from two to five minutes. The makers state that the washer will cleanse the finest and most delicate lace or the heaviest bed-spreads, quilts or blankets, as well as any small wearing apparel, in one-fourth the time it can be done by hand, besides making the work easy, with comparatively no hard labor. The manufacturers guarantee the Washer to be a great saver of time and labor, with no wear or injury to the fabric, and remark that it is light and portable and that it lasts a lifetime.

Wire ropes are not a modern invention. A bronze wire rope ½ inch in diameter and from twenty to thirty feet long has recently been found in the ruins of Pompeii. It is estimated that the rope is at least 1900 years old.

The nail mills of the Portage Iron Works, Duncansville, Pa., are to be put in operation immediately. These mills have not been worked since 1873. The resumption is said to be due to the boom in the nail business. The employees will number at least 275.

Perhaps the most wonderful specimen of cutler's cratt in the world is the knife to be seen in the showrooms of Joseph Rodgers & Sons, Sheffield, England. This extra-

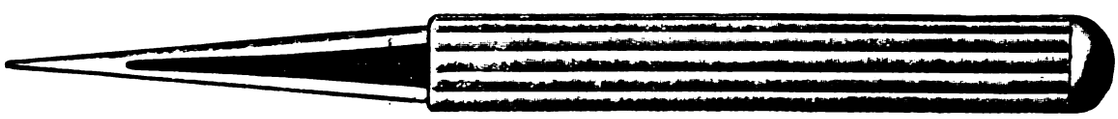


FIG 2.

ordinary knife is provided with one blade for every year since the commencement of the Christian era, the number of blades, of course, now being 1895. Blades are inserted five at a time at the lapse of every five years.

HARDWARE costs only One Dollar a year.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.—VI.

At first it was a great pleasure to show and sell goods. The mere fact that I was behind the counter in a warm, clean and showy place, dressed in good clothes, and employed at light labor, while my former associates up at home were driving cows and cutting brush, was a satisfaction and comfort not to be ignored. I did not see how any one could grow weary in such occupation, although it grew a little tiresome toward night, when the counters were piled with heaps of goods that had to be rolled up, arranged, and sorted back into their shelves and boxes. In quiet hours, I would stand at the door and watch for customers, fearing lest some one else might be ahead of me in supplying their wants.

Just how long this burst of enthusiasm lasted, I do not know. Perhaps some young clerk of to-day who finds himself undergoing the same sad transformation, would be better able able to guess than I, after this lapse of years. But there came a time, I distinctly remember, when it was a little difficult to get up from the stove, lay down my book—there was no objection to novel reading in the store, in leisure hours—and go to the front to chaffer with some difficult customer over cotton cloth or a suit of clothes for the boy. It was a temptation to keep the eye upon the page, and remain in the company of Sam Weller or David Copperfield, and allow Almon or Smith to go forward and attend to the new comer. This was only when we boys were alone in the store, and seldom occurred when the proprietors were about.

It is with no small degree of shame that the confession is made, that upon the general subject of mercantile life, I knew as little at the end of the two years with Samson & Crown, as at the beginning. I learned all about the prices, but nothing about the books; could pack butter with considerable skill, but had only a hazy idea as to discounting bills; could deliver a suit of clothes with celerity over on Quimby Hill, but learned nothing of banking or bank methods; was quite valuable in unrolling broadcloth and handing down rubber boots during the annual invoicing, but was never trusted to go over the footings—the balance sheet would have been something wonderful to look at, had I done so. As I now recollect it, there was many a time when I might have made a sale or secured a regular customer, had I held on to the eagerness of the earlier days, and not been in a hurry to get rid of the caller without a show of rudeness, or a downright discourtesy. There has been recently coined in New York a variety of slang that described my attitude in too many cases—that describes that of too many of the clerks of to-day who show "the marble heart" or "the dead face" to customers who interfere with their reading, or snoozing down upon the back counter.

There were two main causes that led to the condition of mind described in the above. In the first place, I was always too much inclined to use my pen in preparing something for the local press when I should have been at work about the store. Even now this habit is in my way to success—here I am, scribbling this matter on the head of a sugar barrel, when I should be making out those bills Mr. Striebinger has ordered me to get ready. I had made the acquaintance of "Gib" Braden, a printer connected with the *Grange Chronicle*, and felt that through him I had made a sure entry into literature, and must push my opportunities to the utmost. When I saw my first article in print—a defence of the Ohio temperance laws, I was almost ready to throw up business altogether, go to New York, and take immediate charge of a leading magazine. I sat right down and commenced a novel entitled "A Story of Rum,"—I saw its ten unfinished pages of foolscap in an old trunk, up at the house the other day.

The second of the two drawbacks mentioned above, was the necessity which the social part of my nature imposed of having "a good time," whenever and wherever opportunity offered. Too often the demand and opportunity worked together for the injury of business. There never was a firm more lenient in these lines toward employees than Samson & Crown. In Grange at that time there was no closing of the stores on holidays, with the exception of Christmas, and on the evening before a holiday Mr. Samson would say, "We'll be open as usual to-morrow, boys, and expect you to be here." We would all three be on hand to open up, and sweep out, but the chances were that before noon all three would disappear; and as Mr. Crown was very domestic, and liked to remain with his family on such days, Mr. Samson would be left to hold the fort all alone, and wait for the customers who never came. But not a word of censure came from him on the day following; the displeasure which was caused by our desertion, evaporated over night.

Although himself a confirmed bachelor, Mr. Samson had the highest respect for woman, and for the good influences by her exerted over those of the opposite sex. I remember my first application to him for permission to be away from the store in the evening. I had made the acquaintance of the young people of the Methodist church, and was about to plunge into my first great excitement and social cyclone, in the shape of a "Mite Social." When the request had been made, Mr. Samson deliberated a moment, and then said: "I don't know, Henry. It all depends upon where you wish to go, and who are to be there. We have some pretty bad boys in Grange, and if you have commenced to go about with them, I will be compelled to forbid it."

"It is only a church social, at George Van Gorder's."

"Of course, young ladies will be there?"

"Yes, sir."

"You may go then. I have always made it a rule with my clerks to encourage their going about with the young ladies. I then know they are safe and in good company; but I always discourage their going about alone with a lot of other boys. They learn too much mischief."

I can now see that Mr. Samson was right. In pursuance of our quest for "a good time," as suggested above, a half dozen clerks along the street would meet almost every evening in some one of the stores left in their charge, and hold revel at hours when they all should have been in bed getting rest for the labor of the coming day. The shutters would be put up and lights turned down at the regular hour of closing, the bed made, and preparations made for the night; and then when "the boss" had put on his hat and gone home, in the expectation that only peace and sleep were left behind, the clerk would slip out, lock the door, and proceed to the point for which the evening's appointment had been made.

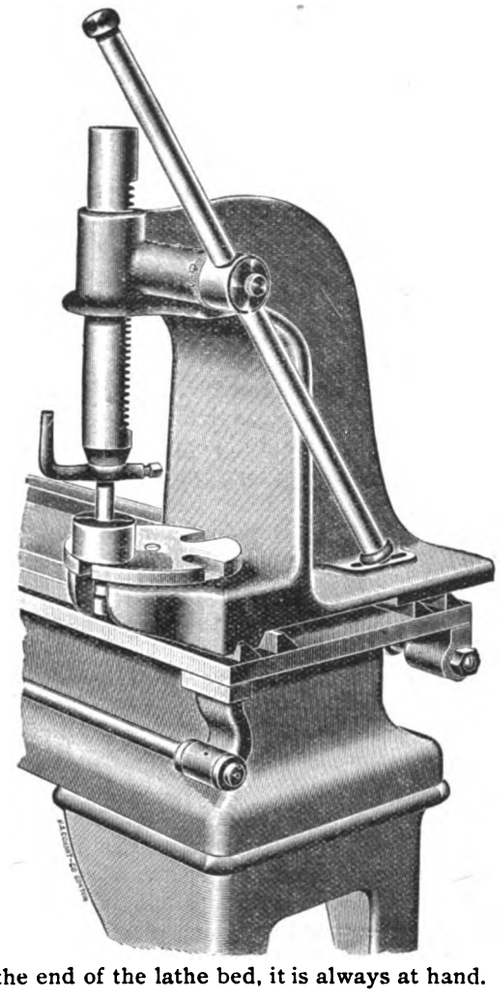
We never did anything very bad at these gatherings. A can of raw oysters, crackers, cigars for those who smoked, and conversation seldom wise, with stories too often low, made up the extent of our dissipation. I do not know that any direct harm came of these meetings, but their tendency was to make us careless as to business, place our thoughts upon unworthy things, and cause drowsiness for the following day.

With this I shall cease moralizing, and resume a plain recital of facts. The above has seemed necessary in explanation of why I have chosen the word "unsuccessful" in my caption.

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The Greenerd Arbor Press.

We show herewith an illustration of the Greenerd Arbor Press, manufactured by J. M. Marston & Co., Nos. 226 to 230 Ruggles Street, Boston, Mass. In description of it, the makers say that "while most of the advantages are apparent to those who now drive in and out their arbors, we think that the following will more fully call to mind the principal advantages of this tool. It saves marring, upsetting or springing the arbors. It saves cleaning out the centers and taking off the dogs. Saves defacing or otherwise damaging finished work. It preserves the arbors and will pay for itself in the increased life of them. Clamping



on to the end of the lathe bed, it is always at hand. A useful tool in the manufacture of machinery." Now built in three sizes.

	Largest dia. of work,	Diam. of arbors,	Length of arbors,	Weight,	Net Price,
No. 1,	6.	1.	5.	33.	$12.
2,	6	1	7	42	$13
3,	12	1½	9	90	$16

A Huge Wire Machine.

F. B. Shuster, proprietor of John Adt & Son's machine works, New Haven, Conn., has constructed for Holmes, Booth & Haydens, Waterbury, Conn., what is thought to be the largest automatic wire straightening and cutting machine ever built in the United States. This mammoth machine is constructed with a straightener which revolves continually, through which the wire passes into a long grooved bar or sleeve with an adjustable gauge therein, against which the wire strikes. By the wire striking against this wire or gauge in the guide bar, it operates a lever attachment, which in turn operates the cut off of the machine. Forked holders are employed in this machine to catch the wire as it is cut off and dropped from the groove in the guide bar. These holders are mounted upon a piece of wrought iron pipe, which is fastened in the base of the machine at one end, and at the other is supported by a floor stand. Some of the holders are carried up so as to support the shaft, guide bar, and other necessary parts, thus rendering great security and strength to the various parts of the cutting extension. This machine had to be built in two sections, as the whole length was so great that it was impossible to obtain a car long enough to ship it on.

Marlin Fire Arms Co. to the Trade.

The Marlin Fire Arms Co., New Haven, Conn., address the trade as follows, under date of August 10th: "We are pleased to announce that we can furnish our 30-calibre Rifle in the Model 1893, in all of our accustomed styles of this model. The cartridge as here illustrated is a 30-calibre cartridge loaded with 30 grains of Smokeless Powder and a 160-grain full metal patched bullet. The velocity of this bullet is a little over 1800 feet per second; the penetration is nearly four times as great as that of the ordinary lead bullets shot out of the regular hunting rifles. The steel used for barrel, as well as that used in the receiver and breech-bolt, is manufactured and guaranteed to the regulation specifications of the United States government. The



price of the rifle is $23 for the regulation 26-inch rifle with octagon, half octagon or round barrel. Take Down, $5 extra. Half magazine will be furnished in either the regular or Take Down rifles without extra charge. All extras, such as pistol grip, fancy wood, engraving, etc., are at our usual list prices. Extra lengths of barrel likewise. The discount on this rifle is the regular discount given on our Model 1893. The list prices for Ammunition are as follows: Cartridges, $38 per thousand; Primed Shells, $18 per thousand; 160-grain Bullet, $6 per thousand. We can furnish these rifles promptly."

Has Numbered Ninety-nine Years.

A man who has reached the age of ninety-nine cannot be found in every city, yet Underhill, Clinch & Co., No. 94 Chambers Street, New York, have a customer whose father has reached that advanced age. This is Elijah B. Glenn, who lives with his son in Elm Street, near Pacific Street, Newark, who some days since celebrated the ninety-ninth anniversary of his birth. He was born at Carpenter's Point, Cecil County, Md., on August 7, 1796, and says he is a direct descendant of Pocahontas, and has books and papers to prove his claim. His mother's maiden name was Boulden, which is the name of a man who married one of the daughters of Pocahontas, and the name has been continued in the family ever since then. Mr. Glenn married in 1829, and had two sons, one of whom, Samuel, lives at the age of sixty years. He is in the Hardware business. The nonogenarian has voted in every Presidential election since 1817, and two years ago he walked to the polls to cast his ballot. In 1832, while living in New York, Mr. Glenn was stricken with cholera, and nearly died from the disease. He preserves his faculties wonderfully, and is delighted to do little jobs of work.

The New England Iron & Hardware Association have opened an office in room 41, No. 113 Devonshire Street, where they will be glad to see any visitors to Boston. Copies of catalogues, etc., will be thankfully received from manufacturers and dealers in the Hardware line.

The Laughlin Nail Works, Martin's Ferry, W. Va., have recently resumed operations with 2000 hands. These works are said to be the largest cut nail factory in the world.

To remove a rusty screw, apply a red-hot iron to the head for a short time, the screwdriver being used immediately afterwards while the screw is still hot.

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RECENT TRADE PUBLICATIONS.

The Simmons Hardware Co., St. Louis, Mo., have issued and sent among their friends and patrons a magnificent catalogue for 1895. The company say: "We ask from the trade a careful and critical inspection of this volume, feeling sure that they will find it contains the most complete assortment of desirable, up-to-date goods in our line ever catalogued. Since issuing our lastcatalogue in 1891, we have discarded many goods and made many extensive additions in most all the lines we carry. We offer six complete lines of real bronze goods of popular finishes and artistic designs, so arranged as to render the ordering of them very simple. In the compilation of this book we have endeavored to combine simplicity with clearness and brevity, so as to make it, in the future, as in the past, the standard book to the Hardware trade, and from which every one of our customers can intelligently order goods. We have also carefully considered the question of condensation of space, as far as was practicable, in illustrating our large lines, comprising over 45,000 articles, at the same time not crowding the goods too closely, nor impairing the beauty and value of our illustrations. We therefore believe that the book is particularly valuable to our customers for mail orders, and this is a large and growing department of our business. We have illustrated together similar goods, selling in the same season of the year, as in the case of such articles as fire goods, commencing with page 960 and continuing some fifty pages. In builders' Hardware we have separated each distinct line of ornamentation and finish, so that it is possible, as in the case of Madras goods, shown on pages 448 to 459, to trim a house throughout with this line. To make the object lesson complete, we have shown the actual color and finish of the various lines of goods in colored cuts, preceding the said lines, as in the case of plain bronze, old copper goods, commencing on page 461. We have endeavored to simplify the various Hardware terms, relating to right and left hand locks, by illustrations, as shown on page 442. The comparative list of finishes, shown on pages 440 and 441, we have esteemed so valuable that we have copyrighted it, and we have been complimented by all the manufacturers whose goods are listed, requesting us for copies of this list for their own use. We need scarcely more than refer to our large assortment, embracing as it does everything needed in the Hardware and machinists' line, even to such items as mathematical instruments and fine mechanics' tools. The most notable additions to this assortment, since the issue of our former catalogue, have been the items of rope and of sheet metal, embracing tinplate, galvanized iron, sheet iron, sheet steel and zinc. We have exceptional facilities for handling these goods expeditiously and economically, and in their selection have followed our general principle of having only the best, so that we have already established among our customers a most valuable reputation for the quality of our tin-plate, sheet iron, galvanized iron and rope. Our illustrations of cutlery show only a few of the leading patterns which we handle, as we find it more advantageous to have our salesmen show the complete line in their sample rolls. We only indicate in our book our lines of Clocks, Lamp Goods and Bicycles, as these are very large departments with us, and have separate catalogues devoted to them. Our sporting goods department shows an especial increase, and we have endeavored to comprehend in it everything needed, even to the smallest item."

The following are some very interesting statistics connected with this gigantic catalogue: It contains, including index, 1768 pages; 8350 illustrations; the entire edition consists of 12,000 copies; weighing 95 tons, each copy weighing 16 pounds; 6 carloads of paper, 13½ tons of tar boards, 11,000 square feet of seal grain leather and 24,000 square yards of cloth, were used in printing and binding; 14 months' time was consumed in printing and binding this catalogue, which required 650 packing cases and 110 wagons to deliver it in. In the front of this volume are two handsome illustrations of the company's headquarters and ware house. It also gives some valuable suggestions for mail orders.

The new catalogue of the Humber & Co., America, Ltd., New York, under date of July, 1895, has been distributed. It is of 32 pages and the cover is very attractively gotten up, it being done in green and gold. The frontispiece is a picture of the Humber factory at Westboro, Mass. We quote from the catalogue a portion of Hamlet (modernized):

"And these few precepts in thy memory lock most carefully;
Be thou familiar with the goods thou buyest, and by no
Means let the crafty trader fill thine ear with bombast
Meaning naught but like to overthrow thy better understanding.

Those things thou hast by close adoption tried, grapple them
To thy use with hooks of steel, and do not palter with experiment
Of each new hatched, untried elucidation of the hoped for perfect thing.

Beware of how thou placest judgment; but when once convinced, let no man change thy course;
Give every man thine ear, but believe that only which thy mind accepts beyond the peradventure of a doubt.

Costly thy cycle as thy purse can buy, but not expressed in fancy colors or in nickel plate, for oftentimes such gauds
But serve to cover up a multitude of flaws and imperfections,
Remember that the wheel he rides proclaims the man, and
They in all the world of the best rank and station are most
Select and careful in that they own and ride a HUMBER,
And he who buys the best, no matter what the cost, must
Needs have that which cannot fail to satisfy his wants.

Neither a borrower nor a lender be, for loaning cycles oft'times
Fractures friendship (and the wheel), and borrowing works the same sad end.
Count down the cash for that thou buyest; 'tis always best, for thus thou holdest
Him who sells in certain confidence, and gain respect which otherwise thou losest.

Beware of entrance to a race,
That thy condition is well fit;
But once in, bear on thy HUMBER all thy might,
It will bring thee victory.

This above all, to thine ownself be true; buy no man's goods
Until thy judgment hath been satisfied;
And it must follow, as the night the day, thou must possess
That which will pleasure thee.
For it is writ, 'That which is the best is never dear,' e'en
Though thou payest rather more therefor in filthy lucre.
Season this in thee, keep in thy
Mind the noble qualities of the HUMBER."

The remainder of the catalogue is devoted to a detailed description of the Humber.

We have, from the Harrisburg Foundry & Machine Works, Harrisburg, Pa., a neat and attractive little booklet entitled "An Ideal Engine Room." A full description of this engine room is to be found on several pages of this book, quoted from the three great papers of Boston. The engine room here described is situated under Keith's Theatre in Boston, and the engines were constructed by the Harrisburg Foundry & Machine Works. "It is situated over thirty feet beneath the level of the street, under the theatre. A long, winding passage, called the tunnel, leads down to it from the foyer. This tunnel, like the engine room itself, is paved with white marble, the sides composed of marble tiles, while the ceilings are beautifully frescoed, with a pretty pattern traced upon them in stucco. The entire length of this passage is brilliantly lighted by electric lights, making it seem like the entrance to some fairy land. The engine room itself is even more beautiful than the tunnel. Shaded electric lights shed their soft glow

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over the huge engines, and show off to its best advantage the exquisite workmanship in the decorations and the beauty of the white marble with which the room is fitted up. Around the room is a dado of white tiles; above, the walls and ceilings are tastily painted, while ornaments in stucco add to the beauty of the scene. Down beside the huge engines, which, by the way, owing to the absence of belts, revolve with little or no noise, are the chairs in which the engineers are allowed to take their leisure when the work on the engines has been attended to." The remainder of this diminutive catalogue shows illustrations of the far famed engines made by the company.

We have received from the Brown & Sharpe Mfg. Co., Providence, R. I., a copy of the new edition of their catalogue. It has been thoroughly revised and contains 366 pages, sixty more than the preceding one. The new matter and the changes in the old make it especially desirable that this should replace former editions. A large number of new tables have been added, making it especially valuable to the workman as a book of reference. As noted in the colored inset the principal additions this year to the machines and tools they regularly manufacture are No. 1 Universal milling machine, design 1895; No. 4 Universal milling machine, design 1893; No. 2 power lapping machine, No. 6 automatic gear cutting machine, No. 2 gear rim milling machine, No. 1 screw machine with automatic chuck and wire feed, No. 2 screw machine with automatic chuck and wire feed, polishing and finishing machine with brake, No. 1 case hardening furnace, hard coal tempering furnace, hand milling attachment for No. 0 plain milling machine, taper milling attachment for Nos. 1 and 2 Universal milling machines, driving fixture for high speed milling attachment, 8 inch and 6⅞ inch single dial index centres, Nos. 1 and 2 flanged vises, milling machine screw arbors, centrifugal water pump, geared water pump, new sets of tools for milling machines, new sizes side milling cutters, cutters for fluting reamers, sprocket wheel cutters, cutters for making four-lipped twist drills, end mills with centre cut, fly cutters, new sizes of T slot cutters, angular cutters with threaded holes, patent metric involute cutters, improved stocking cutters for involute gears, new sizes special bevel and mitre gear patterns, rubber tipped foundry rammers, test indicator to read to 1-50 m. m., 29 degree screw thread tool gauge, "acme standard;" No. 20 screw pitch gauge. These catalogues are mailed to any address without charge upon application, or are furnished by Hardware dealers.

The new price list of the Union Metallic Cartridge Co., Bridgeport, Conn., has made its appearance. It is a neat affair with a light blue cover, in the centre of which appears the well-known trade mark of the company. The catalogue gives the prices of all, and shows illustrations of some of the productions of the company, which include paper and brass shot shells, gun wads, primers, percussion caps, loaded shells, etc. Attention is called to the following new goods recently put upon the market by the company: U. M. C. Primers for Smokeless Powders, 22 Short Cartridges with Mushroom Bullets, 32 Long Rifle Cartridges, Rim Fire, with inside lubricant; 32 Long Rifle Cartridges, Centre Fire, with inside lubricant; 32, 38 and 44 Smith & Wesson Cartridges with self-lubricating bullets; 25-25 Stevens, 25-36 Marlin, 236 Navy, 30 Government and other Cartridges with metal cased and mushroom bullets, and Smokeless Cartridges.

We are in receipt of the fall catalogue of the Central Oilgas Stove Co., Florence, Mass. The company make the following announcement to the trade: "The steady growth in the demand for something in the way of a heating stove that would be far superior to either the coal or wood heater, and at the same time dispense with the great annoyance of dumping grates, cleaning out stoves, carrying coal and ashes—in a word, the ever increasing demand for a stove far more economical, convenient and cleanly, has prompted us to increase our efforts to keep pace with this demand. We have devoted our energies to the production of oil and gas heating stoves in such variety and perfection that the most skeptical and unbelieving must be convinced, and can certainly find in this catalogue something to please and satisfy them." A casual glance through the catalogue will convince one that the company have striven to give their patrons as many new styles to choose from as possible. Those most worthy of attention are Parlor Vase, Parlor Dome, Cabinet Register, Little Giant, Parlor Grand and Florence Heaters, and Oilgas heater; this last is said to be one of the most wonderful things in the way of an oil heater that has ever been produced; it is said to produce as much or more heat than the largest circular burner heater, without smoke or odor, and the principal feature is that it does not use any wick, but produces a very powerful vapor flame, and burns ordinary, everyday kerosene.

The new price list and catalogue recently issued by the National Screw & Tack Co., Cleveland, Ohio, is certainly a handy little volume, the pages being indexed, so that the reader can turn to whatever class of screw or bolt he is in search of. The company say: "We take pleasure in presenting to you our revised price list, embracing the various lines of goods now manufactured by us. It will be our aim in the future, as has been in the past, to place goods of highest standard on the market, and to carry a complete assortment in stock, realizing the advantage of being able to execute orders promptly. We acknowledge with thanks the liberal patronage extended to us in the past, and solicit a continuance of your favors." Illustrations of the full line of goods are shown on the pages indexed for that particular class; these include steel, iron and brass wood screws; tacks, trunk, clout and small nails; machine screws, stove bolts and tire bolts.

We have at hand the catalogue and price list of the Silver Mfg. Co., Salem, Ohio, for the season of 1895-96. On the cover of this pamphlet is an outline map of the State of Ohio, showing a portion of Lake Erie and also Salem, where the works of the company are located. Its pages are copiously illustrated with representations of the well known machines manufactured by the company, which include the "Ohio" ensilage and fodder cutters, engines, horse powers, feed mills, grain separators, steam cookers, etc. The company state that "to parties desiring such information we will furnish on application our book, entitled 'Silos and Ensilage, with Hints to Dairymen,' by Prof. Samuel Johnson and James M. Turner; also our other catalogue, containing 'A Treatise on Silos and Ensilage,' and plan of a 100-ton silo, together with numerous testimonials of the merits of the 'Ohio' Cutters."

We have at hand the general catalogue, Catalogue No. 5 and the Revised Telegraphic Cipher No. 6 of the Kilbourne & Jacobs Mfg. Co., Columbus, Ohio. The catalogues are attractively gotten up and reflect nothing but credit on the company. The two together contain 148 pages, supplemented by inserted leaves. They are naturally devoted to the well-known productions of the company which include trucks of all kinds, baggage barrows and express wagons, store, warehouse, railroad, hotel, dry goods, carpet, barrel and wagon trucks, grain or meat wagons, hand-carts, skids, push carts, drag and wheel road scrapers, railroad and grading plows, bolted wheelbarrows of all kinds, steel tubular mining and foundry barrows, mining cars, railroad, farm and plantation dump carts, wrought steel sinks, etc.

Wages have been advanced in the Sternberg Bolt & Nut Works, Reading, Pa., ranging from five to twenty per cent. Mr. Sternberg said that the advance was due to better feeling in the iron business, and that it is only right that the men should receive some benefit of the revival.

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Peck, Stow & Wilcox Co.'s New List.

The Peck, Stow & Wilcox Co., No. 27 Chambers Street, New York, have issued discount sheet No. 4, under date of August 15th, giving discounts from their catalogue of 1890; beyond the figures given below, they announce an extra discount of 20 to 25 per cent. to dealers, except on the goods marked A, on which the extra is 10 per cent.; those marked B are absolutely net:

TINNERS' TOOLS AND MACHINES.

Page in 1890 Catalogue. Discount per cent.

17–21, Stow's Patent Folders and Parts.....A Net
22, 23, Grooving Machines.....A Net
24, Parts of Encased Machine.....A Net
24A. B, Columbian Machine.....A 10
24B, Stow's Patent Folder No. 152.....A Net
24B, Add No. 154 Folder, 30 inches, $40.....A Net
24C, Grannis' Patent Groovers.....A Net
24C, Add Nos. 21 and 22 Grannis' Groovers, 20 and 30 inches, with Kennedy's Attachment. List $21 and $27.....A Net
24C, Kennedy's Patent Grooving Attachment, change list to $7.....A Net
24D, Wire Straightener, Feed and Cutter.....A 5
24D, Add No. 7 12-Roll Wire Straightener. List, $45.....A 5
24D, Add No. 27 Combined 12-Roll Wire Straightener. Feed and Cutter. List, $80.....A 5
25–29, Stow's Patent Encased Machines.....A Net
29, Stow's Improved Standards.....A Net
30–35, Raymond's Patent Machines.....A Net
34, Read Raymond's Large and Small Burrs, without Standards, List, $8.25 and $7.75.
35, Raymond's Machine Standards.....A Net
36–41, No. 1 Machines.....A Net
41, No. 1 Machine Standards.....A Net
42, Jones' Rim Machines.....A Net
43, Tucking Machine.....A 5
44, Stove Pipe Crimper and Beader.....A 15
45, Crimping Machines.....A 5
46, Notching Machines.....A 15
47–49, Beading Machines.....A 5
50, 51, Moore's Double Seamers.....A 5
52, 53, Stow's Double Seamers.....A 5
54, 55, Olmsted's Double Seamers.....A 16⅔ and 5
56, Hulbert's Double Seamers.....A 16⅔ and 5
57, Burton's Double Seamers.....A Net
58, Stove Pipe Formers, Nos. 0½, 0.....A 5
58, " " " 1, 2.....A 20 and 7½
58, Tin " " " 1, 2.....A 20 and 7½
58, " " " No. 5.....A
58, Stove " " Nos. 100, 200, 0100, 01.....A 20
58, Change list Stove Pipe Formers as follows: No. 100, $24; No. 200, $22; No. 0100, $30.
58, Tin Pipe Formers, Nos. 101, 102.....A 20
Change List Tin Pipe Formers as follows: No. 101, $13; No. 102, $10.
58, Add Slip Roll Stove Pipe Formers, Back Geared, 2 to 1. No. 300, 2½x37 inch Rolls, list, $50; No. 400, 2½x31 inch Rolls, list, $45.....A 20
58, Add Patent Stove Pipe Former, with Compensating Gear. No. 11, 1¾x30 inch Rolls, list, $20; No. 12, 2x30 inch Rolls, list, $22.....A 20 and 7½
58, Add Patent Stove Pipe Former, with Compensating Gear. No. 13, 2x37 inch Rolls, list, $27.....A 20
58, Add Patent Tin Pipe Former, with Compensating Gear. No. 21, 1¾x16 inch Rolls, list, $11; No. 22. 1½x20 inch Rolls, list, $12...A 20 and 7½
59. 61, Forming Machines.....A 5
62, 65, " " .....A Net
65, Boiler Expander, New Style, list, $1.75.....A 15
66, 67, Tube Formers.....A Net
68, Spaulding's Patent Tube Former.....A 5
69–71, Sheet Iron Folding Machines.....A 5
71, Sheet Iron Folder, No. 30.....A 10
71, Add No. 35 Stow's Sheet Iron Folder, 60 inches, list, $125.....A 5
72, Patent and Improved Gutter Mabhines.....A 10
73, Gutter Beaders and Rods.....A 20
74–80, Squaring Shears.....A 20
74–80, " " new styles and new numbers, see "Tinners, Book," 1893.
80A, Slitting Shears.....A 20
80A, Lever Shears.....A 15
81, Lowe's Parallel and Beveling Shears.....A 5
82, 83, Combined Bench and Slitting Shears.....A 20 and 7½
84, Newton's Shears.....A 10
85, Flander's Shears.....A 15
86, Savage's Shears.....A 15
87, Waugh's Shears, Nos. 1, 2.....A 20
87, " " 3, 4.....A 5
87, Shear and Punch.....A 15
88, Samson Punch.....A 15
89, Bench Shears.....A 20
89, German Pattern Snips.....A 20
89, Tailors' " " stamped "Hartford Cast Steel".....A 40 and 5
90, No. 70 Hand Shear.....No goods
90, Roofers' Shears, change list: Nos. 80 90 100 / Each, $2 1.50 1.40.....A 33⅓ and 5
90, 91, Snips and Shears.....A 20
92, Double Cutting Shears.....A 15
92, Hawk's Bill Shears.....A 30
92, Cotton Bale Snips.....A 20
93, Shear Holder and Bench Plates.....A 20
94, Raising and Planishing Hammer.....A 20 and 7½
94, Riveting and Setting Hammer.....A 33⅓ and 5
95, Stow's Stake Holder and Stakes.....A 30
96–101, Set of Too's and Tinners' Stakes.....A 20
102, Swedges.....A 20
103, Square Pan Machines.....A 15
104, Solid Punches.....A 60
104, Hollow Punches.....A 33⅓ and 5
105, Tinners' Rivet Sets and Chisels.....A 55 and 5
105, Cast Steel Rivet Sets.....A 66⅔ and 5
106, Hand Groovers.....A 33⅓ and 5
106, Tinners' Awls.....A 20
106, Improved Cutting Nipper.....A 40 and 5
107, Roofing Tongs.....A 20
107, Reese's Patent Roofing Tongs.....A Net
108, Roofing Tools.....A 20
109, Kennedy's Double Seamer.....A Net
110, Star Double Seamer.....A No goods
111, Burrill's Double Seamer.....A 10
111, Burritt's Cross Lock Seamer.....A Net
111, Change list on Cross Lock Seamers as follows: 20-inch, $44; 28-inch, $52.....Net
112, Cornice Brake.....B Net
113, Metal Beading Machine.....A 10
114, Bell's Edger.....A Net
115, Machine Parts.....B Net
116, Wire Gauges.....10
117, Tinners' Bevel and Rule.....25
118, Candlesticks.....25

TINNERS' HARDWARE.

118, Flue Stops.....40
119, Parallel Vise.....A 10
120, Tinners' Fire Pots.....25
121, Soldering Coppers, subject to change.....25
121, " Pan and Gas Furnace.....25
122, Handles, Mallets, Melting Ladles.....25
123, Malleable Kettle Ears.....16⅔
124, Kettle and Tea Kettle Ears.....40 and 10
125, Malleable Ears and Clips.....25
125, " Handle and Clip.....35 and 5
126, Globe Coffee Roasters.....Net
126, Boiler Handles.....40 and 10
126, Malleable Clips.....33⅓
127, Tea Pot Handles.....40
128, Paste Jaggers:.....25
128, 129, Sad and Coffee Pot Stands.....25
130, 131, Coal Tongs.....25 and 5
132, Stove Cover Lifters.....16⅔
133–135, Stove Pokers.....50
136, Coal Shovels.....30
137–143, Shovels, Tongs and Pokers.....50 and 5
144–147 Shovel and Tong Stands.....50
148 157, Fire and Kitchen Sets.....55 and 5
150, 151, Read Nos. 38, 138, 238 English Bronze in place of Electro Bronze Plated.
158, 159, Blower Stands.....55
160, 162, Fire Dogs.....50
163–171, Brass Andirons.....50
172, Umbrella Stands.....33⅓
173–179, Match Safes.....33⅓

GENERAL HARDWARE.

180–191, Coffee and Spice Mills.....A 60 and 5
192, 193, Steel and Iron Squares, new list.....B 75 and 10
194, Crenelated Steel Squares, change list:
Nos. 200 300 0200 0300
Per doz., $60 44 68 51.....B 75 and 10
195, Shingle Bracket and Clapboard Gauge.....10
196, Robinson's Wrenches.....B 60 and 10
196, Add Robinson's Wrenches Blued, same list as Bright.....B 60
196, Machinist's Wrenches.....B 75
197, Agricultural and Hayden's Wrenches.....B 80
198, Cast Steel Nail Hammers.....B 40
199, Farriers' Hammers.....B 40
199, Riveting and Machinists' Hammers.....B 40
200, Cast Nail Hammers.....16⅔
200, Blacksmith's Steel Hammers.....10
201, Hatchets and Axes.....16⅔
202, 203, Cast Steel Hatchets.....33⅓
204, Bush Hooks.....20
204, Add No. 4 Bush Hooks, handled, Underhill Pattern, per doz., $12.50...20
205, Butchers' Cleavers.....25
205, Corn Hooks.....16⅔
206, 207. Cast Steel Calipers.....50
206, Add Calipers, No. 202, same as 103:
Inches 3 4 5 6
Per doz $3.50 4.25 5 6.....60
206 207, Add Nos. 205 and 210, same as Nos. 105 and 110. List on both the same. Inches 3 4 5 6 8 10
Per doz... $2.65 2.85 3.30 3.75 5.35 6.50.....60
208, Cast Steel Pliers.....33⅓
208, Carpenters' Pincers.....50
208, Carpenters' Pincers, add: Inches 7 9
Per doz $6.10 7.60.....50
208A, Nickel-Plated Side Cutting Pliers.....33⅓
208A, Cast Steel Pliers.....60
208A, Button's Pliers.....60
208B, Gas and Burner Pliers.....60
208B, Insulated Gas Pliers.....16⅔
208B, " Side Cutting Pliers.....16⅔
209, Cast Steel Dividers.....60
209, Compasses and Saddlers' Punches.....50 and 5
209, Add No. 14 Saddlers' Punch, ¼-inch hole. List, per doz., $5.25...50 and 5
210–212, Chisels and Slicks.....66⅔ and 10
210–212, Add extra for Bevel-edged Chisels, per doz., $1.....Net
213, Chisels and Gouges.....A 20
214, Tanged Firmer Chisels and Gouges.....20
214, Socket Firmer Gouges.....25
215, " Paring " 16⅔
215, " Firmer Chisel in fancy box.....16⅔
216, 217, Drawing Knives.....66⅔ and 10
218, Auger and Car Bits.....60
219, Assorted Bits, in fancy boxes.....50
219, Taylor's Auger and Car Bits.....50
220, 221, Bit Braces.....50
221, Ball Bearing Brace, Nos. 1001, 1002, 1003; same sizes as 101, 102, 103, add $1 per doz.....A Net
221, Add No. 92, Peck's Patent Bit Brace, 10 in., without Ratchet, doz.,$33..50
221, Add No. 100 Ratchet Brace, 14 in., $53.....50
" " 104 " 6 in., $37.....50
222, 223. Handles.....70 and 10
224, 225, Breast and Latchet Drills.....33⅓
224, 225, Add No. 12 Hand Drill. Each, $2.50.....33⅓
226. Cold Chisels.....66⅔
226. 227, Screwdrivers.....60
227, Ratchet Braces and Bits, in fancy box.....33⅓
228, Box and Plumbers' Scrapers.....33⅓
228, 229, Box Chisels.....33⅓ and 5
229, Box or Cotton Hooks.....40
230, Cheese and Butter Triers.....16⅔
230, Saw Rods.....33⅓ and 5
230, 231, Saw Sets.....20
231, Add Ellrich Saw Set: No. 1, per doz., $9; No. 2, per doz., $15.....16⅔
232, 233, Scratch Awls, Ice Picks and Axes.....25
233, Change List of No. 1 Ice Pick to $1.90.....25
234, Carpet Stretchers and Tack Claws.....25
234, Add No. 2 Tack Claw. List, $0.50.....25
" " 3 " .75.....25
235, Carpet Hammers.....25
235, Household Favorite.....16⅔
234, Add No. 12 Tack Hammers, per gross, $9.....25
236, Steak and Shoe Hammers.....25
237, Nut Cracks.....25
237, Change list on No. 4 Nut Crackers to $3.75.....25
238, Pruning Shears.....25
238, Add Pruning Shears, No. 99, with Steel Volute Spring, per doz., $18...25
239, Garden Forks and Trowels.....33⅓
240, Shoeing Pincers and Hoof Nippers.....25
241, Blacksmiths' Butterises and Drills.....25
241, Carpenters' Door Clamps.....25
242, 243, Cabinet and Carriage Clamps.....25
244, Steel Traps.....60 and 10
245, Bench and Jack Screws.....33⅓
246, Vises.....16⅔
247, Tea Scales.....16⅔
248, Spring Balances.....10
248, Add No. 00 Round Balance, per doz. $3.50.....10
248, Scale Beams.....33⅓
249, Steelyards.....16⅔ and 5
250, 251, Little Giant Meat Cutters.....33⅓
251A, Triumph Meat Cutter, No. 505, per doz. $21.....B 33⅓

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252, Woodruff's Meat Cutter.....B 33⅓
253, Hale's " 50
254, Dixon's " .....B 33⅓
254, Sausage Fillers.....33⅓
254A, New Triumph Meat Cutter .....B 33⅓
255, Tobacco Cutters.....20
256, Ox Bow Pins.....33⅓
257, Cattle Leaders and Bull Rings.....33⅓
258, Hitching Rings 40
258, Hog Scrapers.....33⅓
259, Ox Balls.....33⅓ and 5
259, Change list of No. 1 Ox Ball to $8.75.
260, 261, Electric Bells.....33⅓
262, 263, Centric Bells.....33⅓
263, Centric Bell Push Buttons—under cut and left of the page read: Full size cut of Nos 326 and 327; under cut at right of page read: Full size cut of No. 337; and add, No. 337, Plain Nickel-Plated Escutcheon to match No. 227 Bell.
264, 273, Bells and Bell Levers.....25
265, Add No. 0611 Bronze Metal Plain Levers, per doz. $6.25.....25
Add No. 0617 Bronze Metal Nickel-Plated, per doz. $8.....25
274, 275, Trip Gong and Alarm bells.....16⅔
276, 277, House Bells on Carriages.....16⅔
278, 284, Bell Pulls, Cranks, Spikes and Springs.....16⅔
281-285, Call and Hotel bells.....50
289, 292, Casters.....40, 10 and 5
293, Cast Tower and Barrel bolts.....40 and 5
293, 294, Wrought Iron Barrel bolts.....60, 10, 10
295, 296, Cast Barrel bolts.....33⅓
296, 297, Cast Brass Barrel bolts.....33⅓
298, 299, Wrought Iron bolts.....60 and 10
299, Wrought Spring bolts, Nos. 415 and 417.....60, 10, 10
300, Square bolts, Nos. 640 and 642.....33⅓
300, 301, Steel Spring Square bolts, No. 503.....40
301, Steel Spring Square bolts.....33⅓
302, Cast Brass Square Spring bolts 33⅓
303, Square Necked bolts.....33⅓
303, Wrought Square Necked bolts, No. 425.....60, 10, 10
304, Mortise and Lever bolts.....30 and 10
304, Flat Shutter bolts.....33⅓
305-307, Flush bolts .....33⅓ and 5
308, Flush bolts.....40 and 10
309, 310, Cast Brass Flush bolts.....33⅓
311, 313 Chain Door Fasteners.....10
314-317, Chain and Bottom bolts 25
318 Spring Foot bolts.....33⅓
319, " " 25
320 321, Cupboard and Ship bolts.....40
321, Brass Show Case Catches.....33⅓
322, 323, Brass Cupboard Catches.....25
324-326, Cupboard and French Window Catches.....33⅓
330-332, Cupboard Turns.....40 and 10
332, Add Cupboard Turns:
No. 311, 1½ in. Enameled Bronze Metal T Handle per doz., $2.25.
No. 315, 1½ in., Ad't B., " " " " 2.75.
No. 321, 1¾ in., Enameled " " " " 2.75.
No. 325, 1¾ in., Ad't B., " " " " 3.25.
333, Screen Door Catches .....40 and 10
334, Transom Catches 33⅓
334, 335 Door Buttons, on Plates 33⅓
336, Door Buttons, Nos. 25, 30 and 35 25
337-343, Sash Fasteners 33⅓
342, Read No. 231½ Sash Fasteners Bronze-Plated Lever per doz., $1.
Add No. 230 Copper Bronzed, per doz., $0.80 .....33⅓
Add No. 2061½ Plain, Bronze-Plated, per doz., $2.50.
Add No. 2081½ Engraved, Bronzed-Plated, per doz., $2.50.
Add No. 2181½ " " " 2.50.
344 345, Shutter Bars 33⅓
344 Shutter Bars, Nos. 111, 115, 118 50
344, Add Shutter Bars.....33⅓
No. 35, 2-inch A, Bronzed $0.87; No. 45 2½-inch A, Bronzed, $0.92;
No. 305, 2-inch A " .66; No. 305, 2½-inch, A, " .72.
346-348 Sash Lifts 33⅓
349 Sash Pulls and Plates.....33⅓
349, 350 Shutter Lifts and Knobs 33⅓
350, Stubs and Plates and Shutter Screws 33⅓
351, Sash Cord Irons and Sash Centers.....40
352 Window Spring Bolts and Sockets 16⅔
353, Sash Props.....40
353, 354, Trunk and Sash Rollers 25
355-357, Hay Fork Pulleys and Frame Pulleys.....25
357 Dumb-Waiter Pulleys 25
358, Brass Screw Pulleys 16⅔
358, 359 Screw and Side Pulleys.....25
360, 361, Clothes Line Pulleys 25
361, Change No. 85 Pulley to $1.30 per doz 25
362 363 Tackle or Awning Pulleys.....25
364, Hothouse Pulleys.....25
365, Sliding and Shutter Sheaves.....25
366, 367, Incased Swivel and Upright Pulleys.....25
366, Well Wheels.....30
367-376, Drawer Pulls.....25
367 Change List, No. 5 Drawer Pulls, to $2; No. 105 to $2.10.....25
377, Druggist's Drawer Pulls.....40
378, 379, Card Frames 33⅓
380, Book and Card Racks.....40
381, Flush Rings and Lifting Handles.....50
382, Cast Brass Lifting Handles.....40
383, Japanned " " 33⅓
383 Wrought Chest " 33⅓
384-388 Chest Handles.....40 and 10
387 French Shutter Handles.....40
389, Trap Door Rings.....50 and 10
390, 391, Letter Box Plates.....60
392, Add No. 230 Letter Box Plate with inside plate same pattern as No. 230, per doz. $3.75.
No. 230, same pattern as No. 25, with inside plate, per doz., $4.25.
393, Add Inside Plates for Nos. 51, 55 58, per doz. $1.....40
394, Thread Escutcheons.....25
395 Door Knobs.....50
395-401, Store Door Handles.....16⅔
401, Cottage Latches.....25
402, Roggin's and Thumb Latches.....16⅔
403, Barn Door Bolt and Catch.....16⅔ and 5
404-406, Barn Door Latches and Pulls 16⅔
407, Door Pulls.....50 and 10 and 5
408, Change list No. 228 Pull, to $3.....50
408, Door Pulls.....50
409, " 25
410-428, Hat and Coat and Wardrobe Hooks.....25
429-431 Schoolhouse Hooks.....25
432-435, Clothes Line and Harness Hooks.....25
436-441, Chandelier and Ceiling Hooks.....25
442 Lamp and Cabin Door Hooks.....33⅓
443 Screw and Drive Hooks.....25
444 Cup and Moulding Hooks 40
444, 445, Hammock Hooks.....50
446-450, Bird Cage Hooks.....25
451 Boot Jacks.....25
451, Change list of Boot Jacks: No. 5 to $2.75; No. 105 to $3.25.
452, 453 Boot Scrapers.....25 and 5
453 Kitchen Grindstones.....16⅔
454, Grindstone Fixtures.....25
455-457 Strap and T Hinges revised list.....A No goods
458, Plate and Screw Hook Hinges.....25
459, Inside Shutter Hinges and Par. Butts.....25
460, 461, Ratchet Spring Hinges.....16⅔
462 463, Loose Pin Butts.....75
464 Loose Pin Butts.....85 and 20
465, Gate Latches and Hinges.....33⅓
466, 467, Barn Door Hangers.....40
467 468 " " Stays and Rollers.....40
468, Sliding Door Sheaves.....50
469 Barn and Sliding Door Rail.....33⅓
470, Towel Rollers and Plumb Bobs.....16⅔
471, 473, Shelf Brackets.....40
474 491, Flower Pot and Lamp Brackets.....33⅓
492, 493, Twine Boxes.....33⅓
494-497, Paper Files and Clips.....33⅓
498, Common Carriage Bolts, revised list.....B 65 and 12½
499, Philadelphia Pattern Carriage Bolts.....B 80
500 " Eagle Bolts.....B 80 and 5
500, " " Bolt, revised list.....B 85 and 5
501 Carriage Knobs.....40
501, Change list of Carriage Knobs: Nos. 375 and $4.75 to $3.
502, 503 Curry Combs, revised list.....A Net
504, Whip Sockets and Cockeyes.....25

Cleveland Twist Drill Co. in New York.

The Cleveland Twist Drill Co., Cleveland, Ohio, have a New York office at No. 99 Reade Street, with C. I. Markham as manager. The quarters selected are roomy and pleasant, and though at time of writing not completely fitted up, give promise of being one of the best equipped salesroom of its class in this city. Five large cases, seven feet high, with a total length of twenty-five feet, and one case three feet high, two feet deep and twelve feet long, containing one hundred drawers, give ample space for the accommodation of a stock which is large enough to supply all orders promptly. The Drills carried in stock range in size from 13-1000 of an inch to 3 inches. It is quite hard for prosaic everyday mortals to believe that the tiny drills 13-1000 of an inch in diameter can be of any earthly use, as they are so minute that it is difficult to see them with the naked eye, yet these little marvels of mechanical skill are in common use with jewelers. In direct contrast to these midgets is a huge affair capable of making a hole three inches in diameter and used for the heaviest machine work. The company, we are informed, are manufacturing in Cleveland a still larger drill, eight inches in diameter and eight feet long. A comparison between the two extremes in sizes is quite interesting. The front part of the office is occupied by Mr. Markham and his up to-date roller-top desk. Both he and his assistant are most courteous to callers and willingly show the large assortment of drills and explain the uses to which they are adapted. Very handsome cases, large enough to hold the stock of drills carried by the average Hardware house, are displayed. These cases are presented to large buyers. The situation of the company's new quarters is excellent, being in the centre of the Hardware district.

Some days since the Buck Stove & Range Co. gave a banquet to the retail merchants of St. Louis in the large hall over the Buck Co.'s office, on the corner of Main and Destrehan Streets. Covers were laid for one hundred guests. The following is a list of the toasts proposed by J. W. Van Cleave: "The Maintenance of Prices," responded to by Henry Von der Au; "Casting Bread Upon the Waters," E. J. O'Connor; "The Ladies," D. A. O'Brien; "The Stove Industry," H. H. Roberts; "Politics and Stoves," L. C. Koch; "St. Louis Manufacturers," A. G. Brauer.

The Knapp-Burrell Hardware Co. and the Polson-Wilton Hardware Co., Seattle, Wash., have consolidated, and in future will be known as the Polson-Wilton Hardware Co. The consolidated business will be jointly managed by Alfred and Robert Wilton. The latter was the manager of the local house of Knapp, Burrell & Co., and the former managed the Polson-Wilton Hardware Co.

J. W. Fenner, of the W. Bingham Co., Cleveland, Ohio, has returned from a two months' visit to Europe. He spent a few days with friends and upon business, in New York.

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American Screw Co.'s New List.

The American Screw Co., Providence, R. I., make announcement of a new discount sheet, under date of August 15th:

WOOD SCREWS.

	Description.	Disc't.
Iron.	Bright, Flat Head	85%
"	" Round and Oval H'd	80%
"	Forged, Flat Head	85%
"	Drive	87½%
"	Blued, Flat Head (add 5 per cent. to net amount of invoice)	85%
"	Blued, Round Head	80%
"	Felloe, Flat Head	75%
"	Pinched Head	75
"	Japanned, Flat Head	75%
"	" Round Head	70%
"	Tinned, Flat Head	75%
"	" Round Head	70%
"	Lacquered, Flat Head	65%
"	" Round Head	60%
"	Bronzed, Flat Head	65%
"	" Round Head	60%
"	Brass Plated, Flat Head	65%
"	" Round Head	60%
"	Copper Plated, Flat Head	65%
"	" Round Head	60%
"	Nickel-Plated, Flat Head, Burnished	75%
"	Nickel-Plated, Round H'd, Burnished	72½%
Iron.	Silver-Plated, Flat Head, Burnished	50%
"	Silver-Plated, Round H'd, Burnished	50%
Brass.	Flat Head	85%
"	Round and Oval Head	80%
"	Lacquered, Flat Head	65%
"	" Round Head	60%
"	Bronzed, Flat Head	65%
"	" Round Head	60%
"	Silver-Plated, Flat Head, Burnished	50%
"	Silver Plated, R'd Head, Burnished	50%
"	Nickel-Plated, Flat Head	66⅔&6%
"	Nickel-Plated, Rd. Hd.	66⅔%
Copper.	Flat Head	65%
"	Round Head	60%
Bronze.	Flat Head	08%
"	Round Head	75%
Phosphor Bronze.	Flat Head	60%
"	" Round Head	55%
For Export.	American List	85%

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

MISCELLANEOUS GOODS.

Description.	Disc't.
Machine Screws	
Iron, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Brass, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Cap Screws, for Locks, Iron, blued,	80%
Side Knob Screws, Iron, blued	80%
Taps, for Machine Screws	65%
Tire Bolts, Norway Phila	75%
" Eagle Philadelphia	8 %
" Bay State	67½%
Sleigh Shoe Bolts	8 %
Stove Bolts, Flat Head	67½%
" Flat H'd, Annealed	67½%
" Round Head	67½%
" Nickel-Plated	
Stove Rods	67½%
Sink Bolts	67½%
Pointed Wires	65%
Tapped Nuts	40%
Norway Rivets.	
Ordinary, in Bulk	65%
Coopers, "	65%
Thousand, "	65%
Thousand, in Papers	65%
Block and Carriage, in Papers of 100	65%
Hame	65%
Belt, with Burrs	65%
Bay State Rivets	75%
Burrs, for Rivets	65%
Coach Screws	80&10%
Hand Rail Screws	80%
Dowel Screws	80%
Dowel Pins, Barbed and Plain	
Standard Penny Wire Nails. Base Price, keg, f.o.b. Pittsburg	
Miscellaneous Wire Nails. 1, 5 and 10 lb. packages	80%
25 and 50 lb. Packages and 100 lb. Kegs	80%
Special Goods	

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid, except on Wire Nails, on shipments of over 100 pounds, to principal cities on or east of Mississippi River, where the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

SPECIAL NOTICE.

Changes have been made in the following Lists and Tables since the issue of our 1892 Catalogue; the revisions now in force bear the dates here specified:

Page 18	Iron Machine Screws	Date, Aug. 1, 1894
" 19	Brass Machine Screws	" Aug. 1, 1894
" 34	Iron Rivets in Bulk	" Nov. 1, 1894
" 35	Thousand Rivets	" Nov. 1, 1894
" 36	Block and Carriage Rivets, and Burrs	" Nov. 1, 1894
" 37	Hame, Coopers', and Trunk Rivets, and Belt Rivets and Burrs	" Nov. 1, 1894

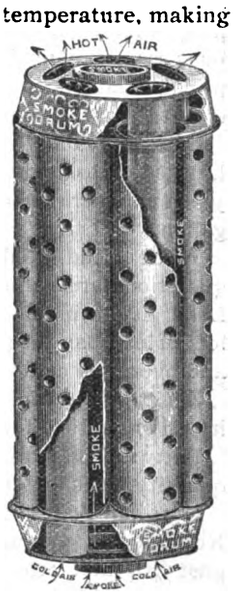
Printed sheets, for insertion in the Catalogue, will be furnished upon application.

A New Location.

The Chicago Hardware Co., one of the largest concerns of the kind in the country, has closed a contract with the North Chicago Association to locate its extensive manufacturing plant in North Chicago, Ill., thus giving that city the largest factory that has been established on the outer belt line since the erection of the Washburn & Moen works in that locality three years ago. The plant will consist of a number of buildings covering an area of about four acres and having switch connection by means of the belt line and the Chicago & Northwestern with all railroads leaving Chicago and with the harbor, three miles away. Work will be commenced on the new buildings in the very near future, and it is expected that the plant will be completed and in operation on or before the first of next January. The company has a capital of $300,000 and the building and machinery will cost $100,000 or over. A large number of skilled workmen will be employed at the start and the force will be rapidly increased.

New Era Radiator.

Wilmot Castle & Co., Rochester, N. Y., believe with good reason born out of experience, that their New Era Radiator is an enemy to the consumption of coal. In a little circular just at hand—the text of which seems to be "Facts"—they call attention to the fact that "an immense proportion of the heat made by the fuel we burn passes out of the chimney instead of warming our rooms." They add: "Hotter on top of the chimney than down by the stove? Yes, a good deal. Your coal bills are nearly twice as large as they would be if you used this waste heat. Don't waste it; stop it before it reaches the chimney with a New Era Radiator. This simple device is a scientific combination of drums and flues compactly arranged to take the place of a section of stove pipe. It intercepts the intense heat which always passes up the centre of a pipe or chimney without injury to the draft. The current of hot air is caused to flow naturally and uniformly over an immense radiating surface, and a large proportion of the heat radiated into the room. The cold air from the floor also passes through the inner tubes and is heated. This quickly changes the coldest air in the room to the hottest, and equalizes the temperature, making a pleasant and healthy circulation. Thousands who are using them will attest this truth. No person who studies economy and comfort can afford to be without one or more in the house." The various ways in which the Radiator can be used is thus described: On a stove pipe in the same room with the stove by actual test it saves nearly half the fuel or heats twice the space. Placed on a pipe running through from below it saves the waste heat that is escaping through the smoke pipe and comfortably warms an upper room at no expense or trouble. Placed in an out-of-the-way corner of a hall the whole temperature of the house is changed, and much less fuel is required to run the furnace. An additional radiator can also be used upstairs with good results. It is adapted for any fuel except soft coal. It saves 700 to 1000 pounds of coal out of every ton. It is as easy to clean or repair as a stove pipe. It has no horizontal obstructions to catch soot. It does not leak gas. It saves the heat but does not obstruct the draft.



American Refined Iron, to fit	5	in.	stove	pipe		Price	$6 50
" " " "	6	"	"			"	6 50
" " " "	7	"	"			"	7.50
" " " "	8	"	"			"	9.00
Planished Iron,	5	"	"			"	7.50
" "	6	"	"			"	7.50
" "	7	"	"			"	8.50
" "	8	"	"			"	10.00

Size	5	inch	36	inches high	12½ inches diameter.
"	6	"	36	" "	12½ " "
"	7	"	36	" "	14¼ " "
"	8	"	36	" "	18 " "

All have cast iron heads and nickel plated feet. They are neat in appearance and compact in form.

The company announce that this year they intend to make the same Radiator without the inner tubes, for soft coal.

Yale & Towne Announcement.

The Yale & Towne Mfg. Co. make the following announcement: The recent advances in cost of new materials, amounting in some cases to more than 25 per cent., necessitates a revision of the prices of our Branford products, pending which we hereby withdraw all former quotations, including those in the 1895 price book of our Branford Lock Works department, just issued. Our revised prices will be furnished to you with as little delay as possible, and in the meantime any orders with which you may favor us will have our best attention and will be invoiced at the lowest rates ruling on the date when such order is received by us.

Respectfully

THE YALE & TOWNE MFG. CO.

Stamford, Conn., August 19, 1895.

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Review of the Markets.

Money: Call money is quoted at 1 per cent., while time money can be had at 1½ to 2 per cent. as to length of loan. Commercial paper is quoted as follows: Prime endorsed bills receivable at 3@3½ per cent. and choice single-name paper at 4@4½ per cent. The exports of general merchandise from the port of New York for this week were valued at $5,223,765, against $6,111,882 last week. The official crop reports indicate a fine yield of corn, though the wheat and cotton crops are not so good. The advances in both price and wages continue, and altogether the outlook for the autumn trade is very encouraging.

Hardware: A cheerful feeling prevails in Hardware circles. Prices are firmly maintained, and advances are still being made, and it is hard to predict just where this movement will stop. Orders for later fall trade are many and large in size, which indicates that dealers are beginning to have confidence in the promises of a good autumn business. Builders' Hardware is in healthy demand. The principal advances announced are Barb Wire, Nuts, Bolts, etc.

Linseed Oil: The following are the figures at which Linseed Oil is quoted: Raw, 50 cents per gallon; boiled, 53 cents per gallon, and Calcutta raw, 55 cents per gallon.

White Lead, Red Lead and Litharge: The following quotations are subject to change without notice: White Lead, dry or in oil, Red Lead and Litharge in kegs:—In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents.

Zinc: Values for the present are 4@4½ cents, as to quality and quantity, for jobbing parcels.

Putty: The market remains steady at $1.45@$2.25, as to quantity, package and place of delivery.

Nuts and Bolts: At a largely attended meeting of the Nut and Bolt manufacturers, held at Niagara Falls on August 7th and 8th, prices were advanced on Square and Hexagon Nuts, Machine and Carriage Bolts, Coach Screws, etc. The following are the prices in force:

	Cents off.
H. P. Square Nuts, Manufacturers' sizes	5 to 6
" " " U. S. Standard	5 1-10 to 6 1-10
" Hexagon Nuts, Manufacturers' sizes	5 6-10 to 6 6-10
" " " U. S. Standard	5 7-10 to 6 7-10
C. P. Plain and Square Nuts	4 3-10 to 5 3-10
" " " Hexagon Nuts	4 6-10 to 5 6-10
" C. T. and R. Sq. and Hexagon Nuts	4 3-10 to 5 3-10
Machine Bolts with H. P. Nuts	Disc't per cent, 75 and 5
" without Nuts	" " 70 and 5 and 10
" with H. P. C. T. and R. Nuts	" " 65 and 10
" " C. P. C. T. " "	" " 65 and 7½
Machine Belt Blanks	" " 70 and 7½
Bolt Ends with H. P. Nuts	" " 75 and 5
" with C.P. or H.P., C.T. and R Nuts.	" " 70 and 15
G. P. Coach Screws	" " 75 and 17½
Common Point Lag Screws	" " 75 and 20
Set Screws and Tap Bolts	" " 55 and 7½
Common Carriage Bolts	" " 65 and 12½
Skein Screws	" " 75 and 17½

Wire Nails: The Wire Nail Manufacturers' Association held a meeting in Pittsburg on August 20th, and it was decided to make no advance in the prices for September. The prices that have ruled during August will be in force for September delivery. The figures are as follows: Carload lots or mixed cars, $2.05 per keg, base, f.o.b., Pittsburg. On direct shipments on contracts in less than car lots of 24,000 pounds of Nails an extra 5 cents per 100 pounds will be charged. To jobbers taking from one mill within one calendar month 1000 kegs and over 5 cents per keg rebate will be made. The New York price for carload lots of Wire Nails on dock is $2.20; small lots from store are fetching $2.30.

Cut Nails: There is no change in the condition of the Cut Nail market. The prices are as follows: Carload lots or over, $1.80, base, Pittsburg; less than carload lots, $1.85, base, Pittsburg. To jobbers taking from one mill within one calendar month 500 kegs or over 2½ cents rebate per keg is allowed, and on 1000 kegs 5 cents per keg rebate is made. For half kegs 10 cents extra will be charged. New York quotations are as follows: Carload lots on dock, $1.95; small lots on dock, $2.06; small lots out of store $2.10.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake ₩ ℔	12¼
Ansonia grade Arizona	12
" " Casting	11¼
G. M. B	11

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl. ₩ ℔	17c.
Over 3½ to 5 " " ₩ ℔	18c.
Square and Hexagon Rods, ₩ ℔ extra	1c.

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive ₩ ℔	18c.
Over 3½ to 5 " " ₩ ℔	19c.

Antimony.

Hallett's ₩ ℔	8
Cookson's	9

Lead.

Foreign ₩ ℔	nominal.
Domestic	3½@3¾

Spelter.

Western Spelter	4@4¼
Bertha (pure)	6¾@7

Zinc.

600 ℔ cask	6¼
Per ℔	6¾

Tin.

Straits, Pigs	15½@15¾
Straits in Bars	17

Tin-Plate.

Coke Tins:	
I B grade Coke Tin	4¾
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.15
Do. 20x28	8.30
D. R. D. grade, 14x20	4¼
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their weekly market letter say: "When rivulets are full, the rivers are swollen to unusual proportions. When farmers and planters have plenty, merchants, manufacturers and employees each get their share. The railways are the servants of adverse circumstances, and the masters of themselves only when worked to full capacity. The sunlight kisses a prosperous country that is rejoicing in plentiful harvests, fair wages and moderate prices. Straws: The United States expends $150,000,000 yearly for imported sugar and sells twice that amount of raw cotton. In 1894 the consumption of pig iron was about 6,600,000 tons; this season it will be about 9,000,000 tons. The iron that cost three to five years ago about $12 in Pennsylvania and $9 in Alabama to manufacture, now costs $9 and $6 respectively, and is sold nearly as high as in 1892. Since the recent great advance or doubling of prices of nails and various kinds of iron, the demand has slackened. New locomotives are being constructed to run 150 miles an hour. There are 976 street railways, covering 110,000 miles, that have a funded debt of about $100,000,000, have yearly earnings estimated at 125 to $140,000,000, netting about 18 to $20,000,000 annually. The world's production of coal in 1894 is estimated at about 554,000,000 tons. The United Kingdom yearly produces about the same amount, and mines the most. The United States stands second, and annually gains from 7 to 10 per cent. Large imports, diminished exports, a monthly deficiency and excessive rates of exchange, tend to force the government to continue to lean on the bond syndicate."

THE BIRMINGHAM TRADE.

Prices are firm, and in many lines advancing, most notable of which are Barbed Wire and Screws. It seems that Barbed Wire manufacturers have finally reached a satisfactory basis of operation. The great success of the Nail men so far, has led others to imitate them and doubtless we have not seen the end yet, either of combinations or advances in prices. There is an element of danger when prices are fixed by combinations of individuals instead of the great law of supply and demand. The individuals make haste to be rich and sometimes advance prices too rapidily and in the end spoils the effect which they seek to produce. It is true they have their way temporarily, but when the profit becomes great others enter into the field of competition and even members of associations are greatly tempted to divide the commission and thus destroy the effect, and in the end they must use some of the money made in the early advances in crushing out the new competitor.

Crop prospects are good; August business holds holds up well and in this particular locality we do not feel the periodical dullness which is expected at this season of the year. Builders' Hardware is in better demand which we take as a good omen and an evidence that people are beginning to

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Great Western Files.

Important Announcement.

The Plant of the Great Western File Co., at Beaver Falls, Pa., formerly known as the Western File Works, is now operated and controlled by the

Nicholson File Co.,

Providence, R. I.,

who already own and operate three distinct plants in Rhode Island. Since obtaining control of this property important changes have been made in the arrangement of buildings. Numerous machines added of the latest and most modern type, so that the Plant in its entirety is now, with the exception of the Nicholson, at Providence, the largest and best equipped file works in the world. The product will be strictly first quality and known as the Great Western Brand.

Main Office and Address :

Nicholson File Co.,
Providence, R. I., U. S. A.

Operating four distinct plants :

Nicholson--- Providence, R. I.
R. I.--- Providence, R. I.
Great Western--- Beaver Falls, Pa.
American--- Pawtucket, R. I.

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build and that better times are here to stay. The only difficulty we see in the way of continued prosperity is the termination of the contract with the syndicate will soon end and if gold should begin to go out it will produce a bad effect. We hope, however, that the exports of the agricultural products will more than counterbalance any bad effect of this kind. We will have to wait and see. In the meantime this will tend to make people act with more caution and not be led into heavy speculations.

MOORE & HANDLEY HARDWARE CO.

THE DAVENPORT TRADE.

The Phœnix Bridge Co. were the lowest bidders on the new double track government bridge to be built here, and will doubtless be awarded the contract.

A recent letter from Swansea, England, states that prices of tin and terne plates have stiffened there, and it may be that American tin plates will soon advance in sympathy.

A telegram just received announces an advance in screws. Axe makers have withdrawn all quotations and personal advices state that new purchases could not be made for less than a half a dollar per box advance, and possibly a dollar would be nearer the figure that would now be demanded. Rope and lath yarn have gone up another half cent; carriage and machine bolts, plain wire, wrought iron goods have ascended one more notch. The price of barb wire is expected any moment to make a bound clear over the moon, eclipsing the recent high jumps of the wire nail athletes.

Farmers are more than pleased with their harvest. The yield of one field of wheat within five miles of this city was sixty bushels per acre.

Trade continues very good, with collections only fair.

SICKELS, PRESTON & NUTTING CO.

THE GRAPHITE TRADE.

Vice-President Walker has returned from his vacation trip through England and Scotland. His corps of able assistants have finished their summer outings and business booms.

The marked increase in Crucible orders gives evidences of activity in the great industries of the country—steel, brass and copper. Pencil sales follow a close second with encouraging orders from wholesale stationers and Hardware houses. Graphite Lubricants and Cycle Chain Graphite come in third, followed by Graphite Paint, polish and sundries, and buyers are actually impatient for prompt deliveries. All augurs well for the fall trade, and orders are largely distributed. We have just received an edition of a handssme show card, which has been several months in preparation, intended to illustrate the productions and properties of the company, and which will be distributed appropriately framed, entailing an expense which would have been hesitated at a year ago. Some concessions have been made to slow payers, but as a rule collections are very satisfactory.

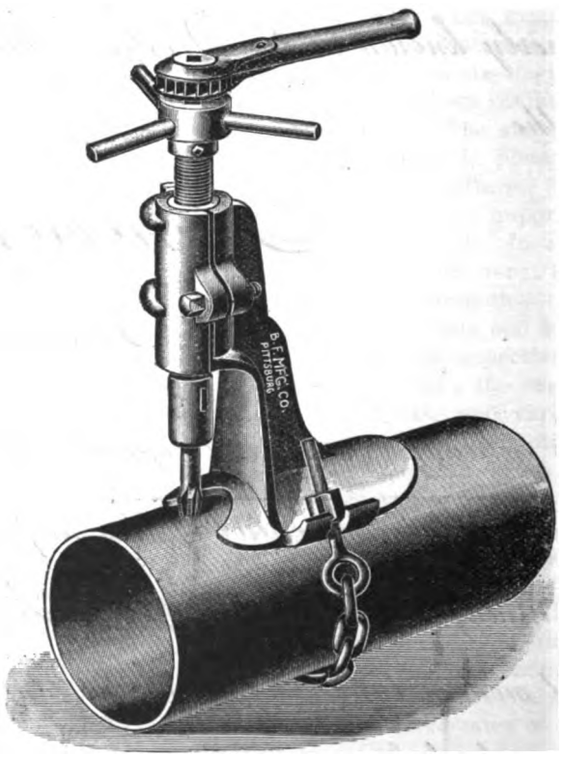
JOSEPH DIXON CRUCIBLE COMPANY.

Fire in the Plant of the Central Stamping Co.

The works of the Central Stamping Co., Newark, N. J., covering almost an acre of ground, were wiped out by fire on Sunday, August 11th, the total loss being in the neighborhood of half a million dollars. The factory occupied most of the block bounded by Liberty, East Fair and Green Streets and Railroad Avenue, Newark, and was considered one of the most extensive and modern of its kind in the country. It consisted of a collection of buildings ranging from two to five stories in height. The flames started in the main structure, which had a frontage of 60 feet on Liberty Street, and extended through the entire block. At 2 P.M. the first blaze was discovered in the blacksmith shop, from whence it spread with great fury to the other parts of the factory in spite of the heroic efforts of the firemen. Extensive improvements had recently been made, a costly electrical power plant being one of them. A large quantity of finished and raw material was also consumed. All that remained of the huge plant when the fire was finally extinguished, was the front wall on Liberty Street and the lower floor of one of the new buildings. The damage to this portion and its contents was that caused by water. The works had been running at full blast for several months past, and at the time of the fire 487 hands were employed. The insurance policies held by the company will amount to about $300,000. The origin of the fire is not known, but the officials of the company do not suspect incendiarism. The company will endeavor to fill all orders through its Brooklyn factory, which is running on full time.

Rapid Pipe Tapping Machine.

The article here shown is the Rapid Pipe Tapping Machine, being successfully placed upon the market by the Bailey-Farrell Mfg. Co., Nos. 619 and 621 Smithfield Street, Pittsburg, Pa. It is described as a simple, effective and



strongly built machine, "by means of which any workman of ordinary intelligence can rapidly make service connection to any water or gas main without turning off the pressure or interfering with the customers' supply of water or gas." It is thus described: "Is made of steel and aluminum bronze, combining great strength with reduced weight. Its parts are substantial, and fifty per cent. less in number than any other machine. It can be operated in any position, drills, taps and inserts the ferrule without moving the machine from the pipe." Price of machine fitted for ½, ⅝, ¾ and 1 inch connections, $100. Liberal discount to the trade.

Arrangements are being made for a Hardware association in Minnesota, and a call for a convention of the retailers of that state, will soon be issued. It will probably be held in St. Paul, in January next.

For Sale.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

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F. KLAGES & CO., 107 Chambers Street, 91 Reade Street, New York City.

SOLE AGENTS FOR U S. AND CANADA FOR THE



BUCHANAN BRASS HARDWARE. CO., LTD.

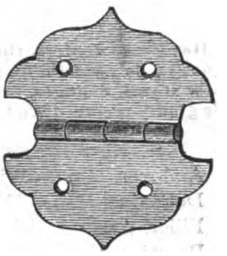
Manufacturers of BRASS and BRONZE HARDWARE.

Door Pulls, Shutter Bars, Drawer Pulls, Corner Plates, Hook Sash Lifts, Mirror Plates, Flush Sash Lifts, Plate Escutcheons, Cabinet Escutcheons, Fire Screen Hinges.

Moulding Hooks, Fancy Box Hinges, Refrigerator Hinges, Fancy Cabinet Hinges, Box and Chest Corners, Brass and Zinc Washers, Floor and Ceiling Plates, Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks, Hinge Plates, Stair Corners, Stair Buttons, Loose Pin Butts, Strap Hinges, Door Numbers, Shelf Brackets, Padlock Hasps, Mending Straps.



New England Iron and Hardware Ass'cn. Banquet.

Auburndale, Mass., was on Tuesday, August 20th, the scene of the regular monthly banquet of the New England Iron & Hardware Association. At about 10.30 A.M. fully fifty members and guests started in drags from the Exchange Club, Boston, for the scene of the merrymaking, ten miles distant. The drive had the effect of sharpening appetites and full justice was done to the bounteous repast that was provided at Lee's Hotel. At the close of the dinner an address of welcome was delivered by Chairman A. M. Wiley. Charles C. Adams was introduced as toastmaster. The following gentlemen were introduced by Mr. Adams and made short and interesting addresses: Mayor Edwin U. Curtis, of Boston; his private secretary, Courtney Guild; H. C. Bangs, of Congdon, Carpenter Co., Providence, R. I.; Jesse C. Ivy, one of the counsel of the association, and William Chamberlain, of Emery, Waterhouse Co., Portland, Me. The pleasures of the day were fittingly closed by partaking of refreshments at the Boston Athletic Association, where the committee of arrangements, consisting of A. M. Wiley, Charles C. Adams, C. H. Breck and H. C. Dodge, received the congratulations of the party for having provided such an enjoyable entertainment.

The plant of the Fond du Lac Wheelbarrow Co., Fond du Lac, Wis., was recently destroyed by fire. The total loss amounted to $8,000, partly covered by insurance. The works will be rebuilt at once.

The California Stove & Iron Works, San Francisco, Cal., incorporated; capital stock $25,000.

CATALOGUE

IS NOW READY.

It will contain information of the styles and prices for the trade. Guns, Pistols, Rifles (including the Savage), Gun Sundries, Targets, Police Goods, Foot Ball Goods, Skates, Clothing, Gun Material, and everything pertaining to Gun Goods.

If you are a regular customer you will get one, *IF NOT,*

IT WILL PAY YOU TO SEND FOR IT.

Buy of us and get your name on our address book and have it sent to you regularly.

SCHOVERLING, DALY & GALES,

802 Broadway, 84 Duane St.,

NEW YORK.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



25c.

Regulates supply of oil to a drop.

DOES NOT LEAK.

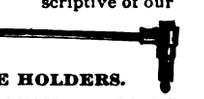
Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS



CURTIS PATENT NIPPLE HOLDERS.

CURTIS PATENT RATCHET DRILLS.

PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

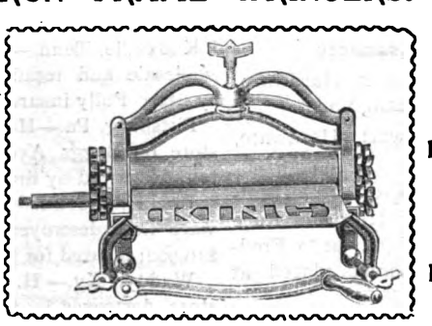
CURTIS & CURTIS,

No. 3 Garden St., Bridgeport, Conn.

WOOD AND IRON FRAME WRINGERS.

HIGH GRADE, WARRANTED.







Before placing FALL ORDERS write us for our PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.



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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Andover, Mass.—William Driscoll.

Deloraine, Man.—H. E. Montgomery.

Filler, Ark.—R. W. Harrell & Son.

Frontier, Mich.—Frank Whitney.

Helena, Ark.—W. A. Tappan.

Lenoir City, Tenn.—J. E. Delay.

Macon, Ga.—Tindall, Peck & Co.

Pittsfield, Me.—T. E. Getchell & C. C. Chandler.

Shenandoah, Pa.—Samuel Martin.

Shreveport, La.—The W. A. Pleasants Hardware Co. has been incorporated, with W. A. Pleasants, president and manager; Leon M. Carter, secretary. Capital stock, $50,000.

Stowe, Vt.—Howard E. Shaw.

Terre Haute, Ind.—Edgar Dick.

Wilson, N. C.—C. W. McKay & Son.

Record of Changes.

Anaheim, Cal.—Dickel & Hartung, Hardware, etc., reported now H. A. Dickel.

Atlanta, Ga.—R. S. Crutcher & Co., retail Hardware dealers, have dissolved partnership. Business will be continued by R. S. Crutcher.

Cedar Falls, Iowa.—Two of Cedar Falls Hardware companies have been consolidated, by Boehmler & Sheerer buying the stock of L. H. Severin.

Clinton, Ark. — S. W. Simpson & Son, Hardware, succeeded by C. E. Simpson.

Des Moines, Iowa.—S. R. Barhits, of Twenty-fifth Street, has sold his Hardware stock to a Mr. Clifford, of the South Side.

Fairbury, Ill.— F. M. Patton has purchased Mr. Todd's interest in the Hardware firm of Cook & Todd, and will be represented in the business by his son-in-law, John Hoker.

Fairview, Ark.— W. C. Horton, Hardware, succeeded by Newton & Co.

Huntington, Ind.—The Hardware firm of Kaufman & Young have dissolved by mutual agreement, C. H. Young retiring.

Independence, Iowa. — O. R. Gates, of Otterville, has bought the Hammond Hardware stock and taken charge of the same.

Junction, N. J.— Louis Lyons has sold his Hardware store to David Crampton, of Glen Gardner.

Kalamazoo, Mich.— A change has been made in the Hardware firm of Buechner & Co. Henry W. Buechner has sold out his interest to Charles Shaw.

Keene, N. H.—H. H. Stone, of Walpole, formerly of this city, has disposed of his interest in the Hardware business of Spencer & Co.

Lehighton, Pa. — D. C. Heberling, of Mauch Chunk, is now a partner with Jesse L. Gabe in the Hardware business.

Lowell, Mass.—Will T. S. Bartlett, head clerk for the Thompson Hardware Co., has left that employment, having bought the Hardware and paint business of Abraham Fenton, No. 653 Merrimack Street.

Maplewood, Ark.—John T. Coading has sold his Hardware stock to J. H. Barstow.

Metuchen, N. J.—C. C. Campbell has sold his Hardware stock to Howard Bishop, of New Brunswick, and Fred Mundy.

Midland, Tex.—Wells & Tillons, Hardware, succeeded by Vantine & Wright.

Moorehhead, Iowa.—Shoff Bros., Hardware, O. P. Shoff reported sold out.

Naples, N. Y.—Alton M. Blake has bought the interest of John Doolittle, in the Hardware business of Doolittle & Graham.

New Rochelle, Pa.—E. H. Harmer has purchased the Hardware business of C. H. Gilmore, Main Street.

Norway, Mich.—Wm. Buckholtz, Hardware, reported sold to Chas. H. Treiber.

Newburgh, N. Y. — Russell Dickey has sold his Hardware business to Sargent & Scharbauer.

New Lewisville, Ark. — W. L. Snowe, Hardware, etc., reported now Nance & Dobson.

Potter, Neb.—Jacob Eley, Hardware, reported succeeded by Herbert Luplow.

Ridgeway, Mo.—Johnson & Son, Hardware, etc., reported succeeded by C. E. Johnson.

Roseburg, Ore. — Churchill, Wooley & McKenzie, Hardware, reported will use style Roseburg Hardware Co.

Sanford, Me.—Ross & Butler, Hardware, reported now Ross & Webber.

Savannah, Ga. — Lovell & Lattimore, Hardware, firm been dissolved by the withdrawal of Mr. Lovell. Business will be continued by R. D. and Wm. Lattimore.

Sherburne, N. Y.—Homer H. Higley has sold his interest in the Hardware firm of Latham & Higley, Norwich, to his partner, C. H. Latham, who will continue the business.

Sparta, Ohio.—C. C. Vail has sold his Hardware store to E. G. Coe.

West Bay City, Mich.—The Miller Hardware Co. has purchased the Hardware store and stock of J. H. Lambert, on Linn Street.

Whitehall, Wis. — Blodgett & Overby, Hardware, etc., reported now Peterson & Overby.

Winchester, Va.—Solenberger & Stouffer, Hardware dealers, have dissolved partnership. Business will be continued by J. S. Solenberger & Co.

Woodbury, Tenn.—The business heretofore conducted by E. J. and J. T. Stevens will be continued in the name of the Stevens Hardware Co.

Yorktown, Ark.—A. Milliken, stoves and Hardware, succeeds McIntyre & Son.

Business Embarrassments.

Arctic, R. I.—A. E. Caron, Hardware, reported to have made an assignment.

Blair, Neb.—J. H. Stewart, Hardware, failed for about $100,000.

Cambridge, Md. — Phelps Bros., Hardware merchants, corner of Muir and Race Streets, have made an assignment to Frederick H. Fletcher, with assets placed at $3800.

Clinton, Iowa.—James Oates & Son, Hardware dealers, have failed.

Enid, Okla.—F. D. Barr, Hardware, reported closed on chattel mortgage for $200.

Haddam, Kan.—Bert Deuell, Hardware, agricultural implements, etc., reported to have made an assignment.

Iron Mountain, Mich.—George T. Corning, Hardware, stock reported sold under foreclosure of chattel mortgage.

Milwaukee, Wis.—Herman Gallum, Hardware, has made an assignment to Frederick Knockenbauer.

Owatonna, Minn.—John T. Clark, general Hardware dealer, has made an assignment to George R. Kenyon.

Phelps, N. Y.—Vincent & Sherman, Hardware dealers, have made an assignment. Liabilities, $500.

Winston, N. C.—Overman & Merriman, Hardware dealers, have made an assignment, with liabilities placed at $3000; assets, $6000.

Burglaries in Hardware Stores.

Ashley, Pa.—Flory & Gemmel, cutlery.

Bellbuckle, Tenn.—A. T. Barnes & Co., shotguns.

Covington, Ky.—John A. Fischer, $50.

Des Moines, Iowa.—J. D. Seeberger, $75.

Dundee, Mich.—Spaulding & Sons, cutlery and revolvers.

Greenwich, N. Y.—Hiram C. Hill, $200.

Haselton, Ohio.—M. L. Otterman, small loss.

La Junta, Col.—Bomgardner & O'Neill, $50.

Las Animas, Col.—M. F. Craham, $500.

Little Falls, N. Y.—John R. Taylor, cutlery and revolvers.

Mankato Minn.—H. C. Akers, $100.

Marion, Ohio.—J. R. Harshberger, small loss

Oakfield, Wis.—Henry Manz, cutlery and revolvers.

Plymouth, Pa.—A. J. Roat, cutlery and revolvers.

Rives Junction, Mich.—Edgar Ranney, small loss.

Syracuse, N. Y.—Leonard Baldwin, $50.

Tiffin, Ohio.—C. C. Park, $30.

Truro, N. S.—Rettie & Co., $40.

Waverly, Ohio.—Charles F. Smith's Sons, $400.

West Liberty, Iowa.—A. Lubeck, $150.

Fires in Hardware Stores.

Butler, Ind.—M. J. Thomas, Hardware stock destroyed by fire.

Downsville, N. Y.—E. V. Hoag, Hardware store, damaged by fire. Insured for $1500.

Henderson, Tex.—Rankin Bros., Hardware dealers, damaged by fire.

Knoxville, Tenn.—S. B. Luttrell & Co., wholesale and retail Hardware, damaged by fire. Fully insured.

Pittsburg, Pa.—Henry Meyer, Hardware store, on Boggs Avenue, Mount Washington, destroyed by fire, at a loss of $3000.

Rockville, Conn.—Parker & Berber, Hardware firm, destroyed by fire, at a loss of $10,000; insured for $7200.

Waddy, Ky.— H. F. Nash, Hardware store, destroyed by fire.

Washington, D. C.—James B. Lambie, Hardware store, damaged by fire.

Wells, Minn.—Anderson & Co., Hardware store, destroyed by fire.

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IF IT'S A QUESTION OF DOLLARS

with you, and you want a bicycle that will **stand up**, stay away from the repair shops, and give you satisfaction, you **cannot** do better than to

BUY A BUSINESS BICYCLE.

That's the kind we make. That's the kind our New Clippers are. Ask Clipper riders if they are satisfied.

Makers of



Business Bicycles

Grand Rapids Cycle Co.

Mich.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

CYCLOMETERS.

AMERICAN INDICATOR CO.,
LAWRENCE, MASS.

No. 1 registers 10,000 miles and repeats. Retails $1.25; $9.00 per doz.



No. 2 registers 10,000 miles and repeats, or can be set back to zero. Retails $1.75; $12.00 per doz.
Descriptive circulars on request.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.
INDISPENSABLE TO WHEELMEN.
Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.
Send for Catalogue.
C H. LAMSON, Portland, Me

Making Money

Selling bicycles depends upon the repairs.
The *less repairs*, the *more profit* to the hardware dealer.

The Sterling

(Built like a watch.)

is the *only* wheel that never needs repairs.

Send for Catalogue.

STERLING CYCLE WORKS,
236-240 Carroll Ave.,
CHICAGO.

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,
4 WARREN STREET, NEW YORK.

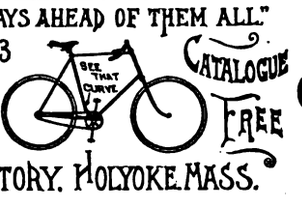
NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

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"365 DAYS AHEAD OF THEM ALL."



23 POUNDS

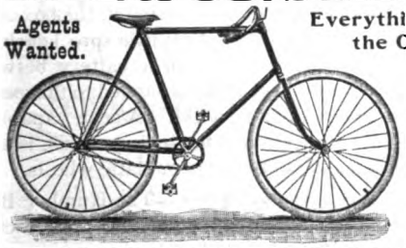
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FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all r'ght up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs, 225 G St., Peoria, Ill.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are . . . .

$75.00
$60.00
$50.00
$40.00

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.
Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Amesbury, Mass.—Steps are being taken, looking to the organization of a company to establish a large bicycle factory. A. H. Atwood and prominent Chicago business men are reported interested.

Atlanta, Ga.—W. D. Gash & Co., bicycles, and agents for the Stearns wheels, have recently opened a new store in the City Armory, under the auspices of the Woman's Board of Cotton States Exposition. The riding school was opened during the day for ladies only.

Boston, Mass.—The Morrill Fire Arms Co., Oliver Street, have added a line of bicycles, sporting goods, etc.

Bridgeport, Conn.—The Liberty Bicycle Co., of New Jersey, it is reported, will establish a bicycle factory at Bridgeport.

Brockton, Mass.—Wm. A. Sweetser will add selling and repairing bicycles to his business. Propositions from bicycle manufacturers solicited.

Cairo, Ill. — Dillon Bros., Hardware, opened new store, and will add bicycles.

Columbus, Ind.—Williams Mfg. Co. has been incorporated, with a capital stock of $25,000, to manufacture bicycles. Contract has been let with the Lodge & Davis Machine Tool Co., Cincinnati, Ohio, for complete outfit of bicycle machinery. Erection of factory buildings has been commenced, and it is expected that the plant will go into operation September 1st.

Cortland, N. Y.—The Wesson-Nivison Mfg. Co., recently reported incorporated, have elected W. C. Nivison as president; David Wesson, vice-president and treasurer, and C. C. Goodwin, secretary. The name selected for their wheel is the Loyal, which possesses a number of special features, including a new fastener for the handle-bar, a new tubular hub, and a seat post, doing away with the bolts, and using a hexagon tapered nut, instead of the ordinary clip and bolt.

Eau Claire, Wis.—Herman Schlegelmilch will open a new Hardware store, and is inviting propositions from manufacturers of bicycles, looking to the accepting of agency.

Elkhart, Ind.—The Indiana Buggy Co., reported to be going into the manufacture of bicycles next season.

Farmertown, Conn. — Steps are being taken looking to the establishment of a new bicycle factory.

Indianapolis, Ind.—The rumor is revived that Studebaker Bros., wagon manufacturers of South Bend, will start a bicycle factory, utilizing a former sewing machine factory. This report, however, is not verified.

Jacksonville, Fla.—F. Williams' Son & Co., Hardware, at No. 105 East Bay Street, are taking up bicycles, handling the Niagara.

Louisville, Ky. — M. T. Callahan has opened a bicycle livery in the Macauley Building, and is negotiating for the Louisville agency of a high grade wheel.

New Berne, N. C.—Freeman S. Manwell, machinist and plumber, has commenced a bicycle repairing business. Will entertain propositions from bicycle manufacturers, looking to accepting agency.

New York, N. Y.—Parkhurst & Wilkinson, of Chicago, have established an Eastern branch at No. 95 Reade Street, with J. I. Brandenburg as resident manager. This firm is headquarters for fine goods of all descriptions that enter into the construction of bicycles. They are the sole United States agents for the Sager saddle.

Norwich, Conn.—Negotiations are pending with parties interested in a Boston bicycle company, organized two years ago, looking to the purchase of factory building, and the establishment of a bicycle manufacturing plant.

Passaic, N. J.—The Worcester Cycle Mfg. Co. has been incorporated by Francis H. Mollenhauer, George D. Patton, J. J. Bowers, Charles T. Boyd and others, to manufacture bicycles. Capital stock, $30,000.

Portland, Me.—The Puritan Cycle Mfg. Co. has been incorporated, with Carl Blazer as president, G. E. Saenlen as treasurer, both of Portland, Me., to manufacture bicycles. Capital stock, $10,000.

Portland, Me.—J. M. Linscott Cycle Co. has been incorporated by J. M. Linscott, of Chelsea, Mass.; S. D. Smith, of Boston, and others, to manufacture bicycles. Capital stock, $50,000.

San Francisco, Cal. — Bicycle Railway Construction Co., reported incorporated.

Thompsonville, Mass.—The Enfield Cycle Co. has been organized to manufacture and place on the market the Enfield, a wooden frame bicycle, weighing twenty-two pounds, invented by Sydney A. Grant, who is the inventor of the League Chainless Bicycle.

Veedersburg, Ind.—McAlister & Warren, Hardware, bicycles, etc., commenced business.

Woodstock, Ill.—The Illinois Watch Case Co. have decided to commence the manufacture of bicycles and have given the contract for factory building, to be completed by July 15. The works will employ 150 operatives.

Worcester, Mass.—The Decker Cycle Co. has been organized to manufacture a high grade bicycle, invented by W. L. Decker. The wheel is to retail at $125.

Changes and Removals.

Auburn, Cal. — J. L. Smith, sporting goods, reported to have sold out business.

Brooklyn, N. Y.—Park Slope Cycle Co., not incorporated, reported dissolved partnership, Henry C. A. Gibbs continues.

Canon City, Colo.—Merrick & Avery, bicycles, dissolution of copartnership reported.

Chicago, Ill.—Chicago Tire & Spring Co. deny the reported sale of their plant to the Latrobe Steel Co.

Memphis, Tenn.—Whitehead & Ferbush, bicycles, has been succeeded by W. H. Whitehead.

New York, N. Y.—The Premier Cycle Mfg. Co. is preparing to remove to Bridgeport, Conn., where factory buildings have been purchased, and where a plant will be put in for the manufacture of Helical Tube Premier bicycles, estimating their next years capacity at 18,000.

North Adams, Mass.—Berkshire Cycle Co. works have been sold by H. E. Blake to C. B. Hubbard, who will resign a position with the Fitchburg R. R. to push the business.

New Goods and Improvements.

Bristol, Conn.—The Horton Mfg. Co., manufacturers of sportsmens' supplies has commenced the erection of an additional building, which will be larger than the present plant.

Cleveland, Ohio.—The Western Bicycle Co., manufacturers of the Winton bicycle, are making preparations looking to the enlargement of their factory building to twice its present size, and put in an equipment of the most modern machinery. Their present building is three stories high, is 150 feet deep, and has a frontage of 400 feet.

Grand Rapids, Mich.—W. S. Burnes, of Wykes & Burnes, has commenced the manufacture of an improved automatic bicycle seat, composed of a carrying bar that crosses the regular saddle bar, to which it is attached at right angles. It is reported that he is endeavoring to organize a company to manufacture his invention on an extensive scale.

Hartford, Conn.—The Woodruff Mfg. Co., manufacturers of machinery for making bicycle chain, have enlarged their plant and added to its equipment.

New York, N. Y.—William E. Guard, No. 30 Park Place, is putting on the market a detachable crank for bicycles, invented by himself. Negotiations are reported pending with bicycle manufacturers, looking to the use of this crank on machines for 1896.

Willimantic, Conn.—Charles H. Barrows is reported to be interested in the organization of a company for the purpose of manufacturing and putting on the market an improved electrical tricycle, invented by Mr. Barrows, the guiding device of which is similar to that of an ordinary bicycle. The frame of the tricycle is of the bicycle style, and the wheels are constructed with two rubber tired rims, between which is what corresponds with the sprocket in the bicycle. An electric motor is carried in the box cover and is connected with it by a sprocket chain. The power is stored in a battery between two rear wheels, and is carried to the motors between flexible wires. A seat, capable of carrying from one to three persons, is over the small rubber or pneumatic wheels.

Westborough, Mass.—The Humber Bicycle Co. contemplate enlarging their factory and will double their capacity.

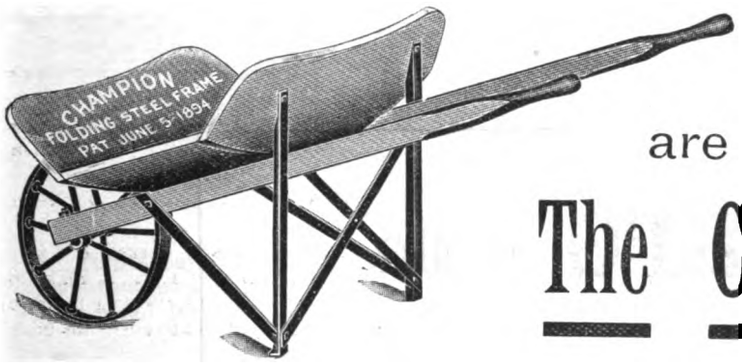
Worcester, Mass. — The Bloomingdale Cycle Mfg. Co. will erect a new two-story bicycle factory building, and equip it with the latest machinery.

Recent Fires.

Minerva, Ohio.—William Fass, bicycles, stock destroyed by fire.

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If you're dealing in Barrows you should have goods that have a REPUTATION and goods that are abreast of the times.



The Champion Barrows

Possess more practical points than any other.
Why not use the Best, its always the Cheapest?

Ask for Catalogue and Prices.

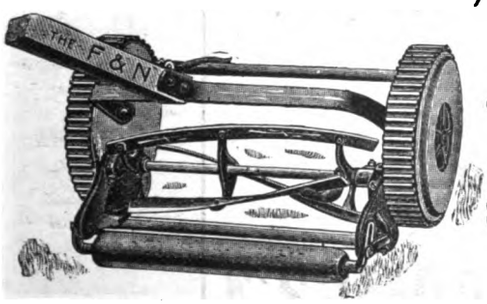
BRYAN MFG. CO., Bryan, Ohio.

THE F. & N. MFG. CO.,

—Manufacturers of—

Lawn Mowers and Grass Catchers,

Richmond, Ind., U. S. A.



"THE F. & N. LAWN MOWER, '95."
The Standard American Mower.
All machines fitted with
Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.

MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS, WHICH ARE UNEQUALED.

Howard Iron Works,

BUFFALO N. Y.

Manufacturers of

Bench Vises.

Price Lists sent on application.

Dumb Waiters.....

that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

Liberal Discounts to Dealers
Send for Catalogue.

ENERGY MFG. CO.,
1223 S. 15th Street, PHILADELPHIA.

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.
Kimball Bros. Council Bluffs, Ia.

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Hardware or other Salesmen Who Travel

Will receive a hint on that important subject:

"HOW CAN I INCREASE MY INCOME?"

By sending name and address to

"HARDWARE,"

143 Chambers Street,

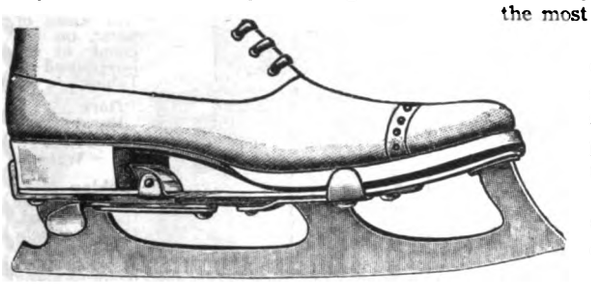
NEW YORK.

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PECK & SNYDER'S NEW AMERICAN CLUB SKATE.



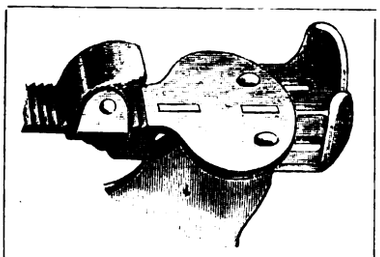
Peck & Snyder's NEW AMERICAN CLUB SKATE for 1895 has revolutionized the art of skate making. New American Club represents an entirely new heel clamp that will fit any heel instantaneously. The old method of clamping to the heel is entirely done away with. It cannot slip, is stronger, acts instantaneously, no screwing or adjusting necessary, saves time, and is without question the most perfect heel clamp ever invented.



MADE IN FIVE GRADES.

Peck & Snyder's New American Club Skate is the most perfect skate ever constructed. It has simplicity of adjustment, solid foot plates, solid heel clamps, and will fit any heel.

The Clasps Cannot Slip. Sure Grip. Thumb Screws and Sets entirely disregarded. It is Light, Handsome, and Twice as Strong as the old club skate.



HERE'S THE NEW CLAMP.

Ask your jobber to show you samples of the **"New American Club."** If he doesn't carry them, send direct to us for samples and prices. Handsomely illustrated catalogue of this skate mailed on application. Address

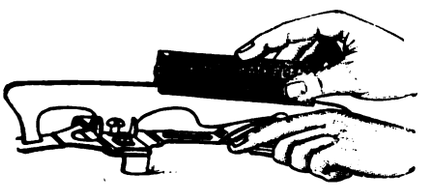
A. G. SPALDING & BROS.,

Successors to PECK & SNYDER.

NEW YORK,	CHICAGO,	PHILADELPHIA,
126-130 Nassau St.	147-149 Wabash Ave.	1216 Chestnut St.

Factory, Chicopee Falls, Mass.

LYNCH'S SKATE PLANE.



Every man, woman and child can now sharpen their own skates. The Lynch Skate Plane, for concave or square runners. Is the best skate sharpener ever manufactured. Any one can use it. It will last for years, is perfect in every way, and fully guaranteed.

Retail Price, 25 cents. Weight, 4 oz.

"U. S." Club Skates

For Season of 1895 and 1896.

Manufactured by

P. LOWENTRAUT.

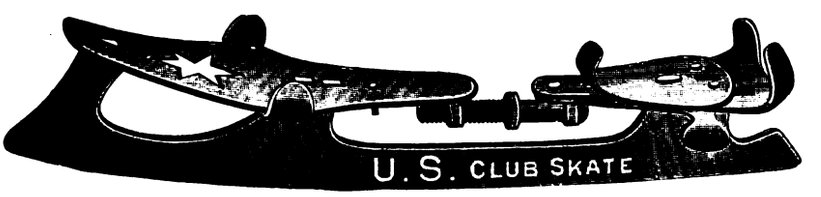


SEVERAL new numbers have been added to our line making it complete in all grades. We are also making a new racing skate with wood top, the "STAR."

OUR CATALOGUE is now ready and will be mailed on application. . . . . .

SEE our skates and write for prices and terms. . . . . .

"U. S." CLUB SKATE.



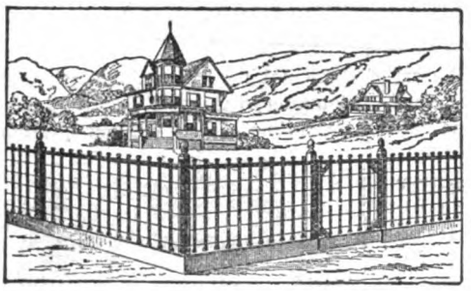
Sole Agents, John H. Graham & Co.,

P. O. Box 1042. **113 Chambers Street, New York.**

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KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire,
Adj. Lawn Fence, Improved Picket
Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market.

Send for Illustrated Circular and price list.



THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.
Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.
MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE.

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313-315 B'way, New York.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

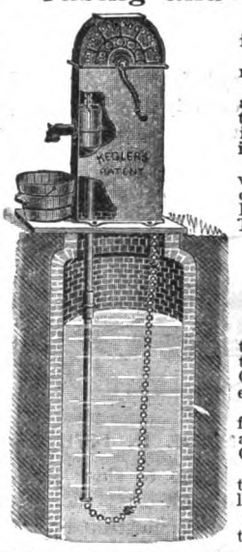
Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

Pure Pump Water.

Your water will always be clean and sweet if you use
KEGLER'S PATENT
Galvanized Iron
Tubing and Curb

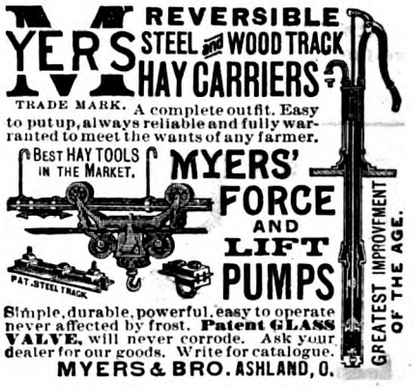


No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.
More Durability.
Less Weight.
Tubing is 12 times lighter than wet wood.
Can be attached to any curb.
The only satisfactory Tubing and Curb for Chainpumps.
Send for illustrated Catalogue.
Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.

MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

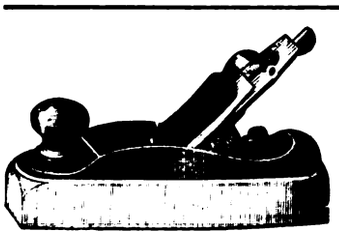
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A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.

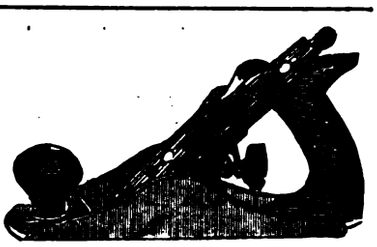


THE SAMUEL I. GOODALL CO.,

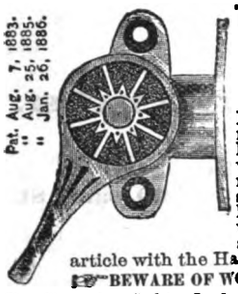
MANUFACTURERS OF

Bailey Pattern Planes, Try Squares Bevels, Etc.

Philadelphia, Pa., U. S. A.



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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

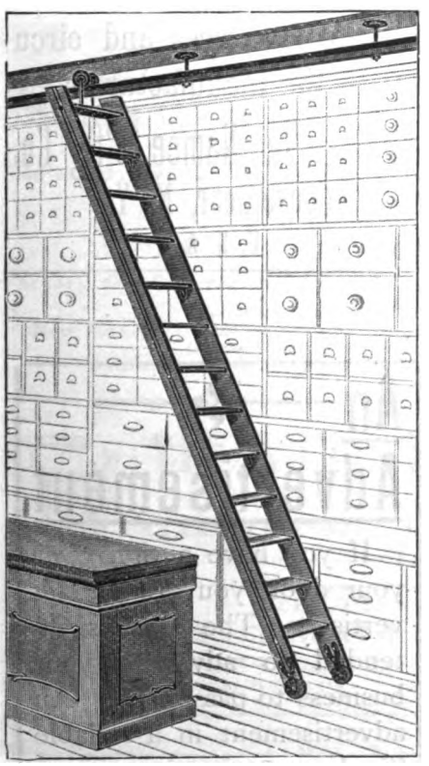
☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.



The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



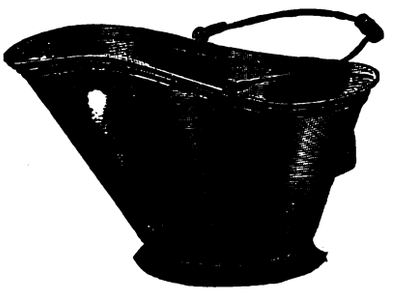
THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

E. J. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity





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COAL HODS

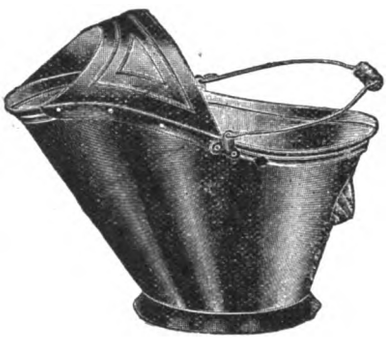
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GEUDER & PAESCHKE MFG. CO.

MANUFACTURERS,

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QUALITY GUARANTEED.







Corn Husking Goods.

THE LARGEST LINE,
BEST STYLES.

ASK THY JOBBER FOR
BLAIRS.

BLAIR HUSKING GLOVE CO., Bucyrus, Ohio.



Established, 1882. **Capacity, 100,000 Tons.**

THE AMERICAN WIRE CO.,

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MANUFACTURERS OF WIRE RODS, AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
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HALL BROS. MFG. COMPANY,

—Manufacturers of—

"Mosaic" (TRADE MARK.) Enameled Stove Boards.

OFFICES AND SALESROOMS:

NEW YORK, 260 Canal St. | CHICAGO, 225 Fifth Ave. | PHILADELPHIA, 249 S. Second St. | BOSTON, 90 Canal St.

FACTORY: BELDING, MICH.

TO THE TRADE.

BELIEVING there is a demand for a superior line of Stove Boards and judging from the success we had last season with the "Mosaic" Enameled Board, we think it would be to your advantage to look at our samples before placing your order. We carry a full line of stock in our New York, Philadelphia and Boston salesrooms, and will be glad to answer all inquiries and quote prices.

POINTS OF EXCELLENCE.

The Plates used for our Enameled Stove Boards are 20 per cent. heavier than used on any other Stove Boards manufactured.

It Requires a temperature of 240 degrees to finish them, consequently the enamel is indestructible.

Washing or heating will not injure the surface.

The Most durable, the handsomest and finest finished Stove Boards on the market.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

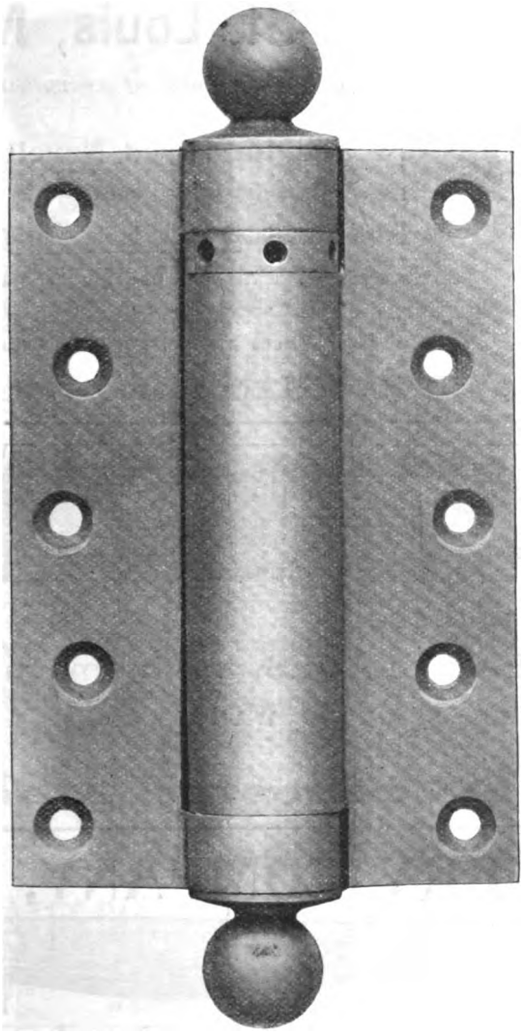
The G. L. Van Namee M'f'g Co.,
Gouverneur, N. Y.
U. S. A.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

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NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 82 Chambers St. and 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)



HEATH PUMPS.

Have you ever tried one with a

Universal Coupling?

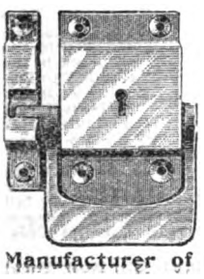
Fits any Valve---Lasts a Lifetime.

All reliable dealers sell the genuine HEATH PUMPS.

S. F. HEATH CYCLE CO.,

ELASTIC TIP CO., Boston, N. E. Agts. MANUFACTURERS, Minneapolis, Minn.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easil with this Fastener than any in the market. The Fastener will tighten the door by the door closing It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY

P. J. CONROY,

PHILADELPHIA PA.

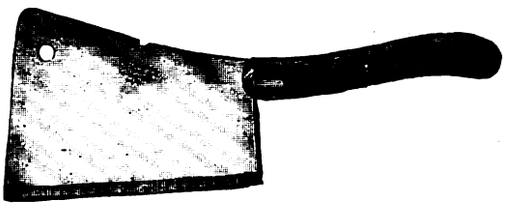
Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK

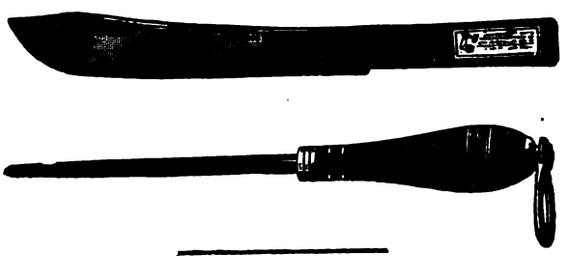


SOLE AGENTS FOR



Foster Bros.'

BUTCHERS' CUTLERY

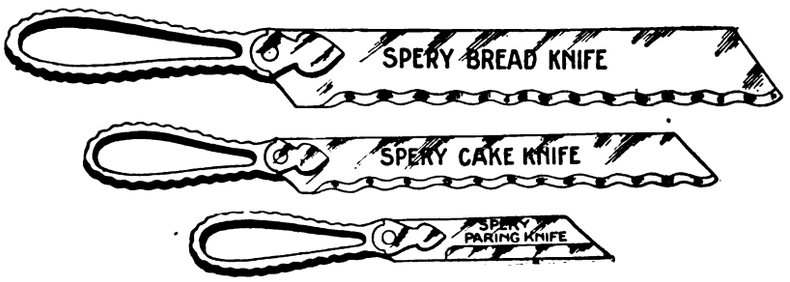


JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

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SPERY CUTLERY MFG. CO., - St. Louis, Mo.



We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made.

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street. DAVID EASTMAN, Manager.



PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom. 96-98 Reade Street.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

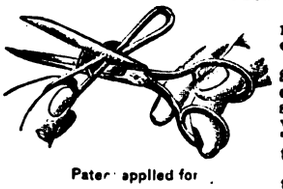
JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

ARE YOUR SCISSORS DULL?

THE "HANDY" SCISSORS SHARPENER



Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

EASTMAN & CO., 64 Reade St., New York.

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Apple Parers.

We have had 25 years experience in making Apple Parers and think we know how.

We make a larger variety and more than any other firm in the world. We make a specialty of Apple Parers for Evaporators, Bakers, etc., to pare, pare and core, or pare, core and slice, both hand and power.

Catalogue sent to any Dealer if wanted.

GOODELL COMPANY, ANTRIM, N. H.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

SEND FOR CATALOGUE.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

Our '78 Apple Parer

is the most popular machine in the market. Get your orders in early.

Reading Hardware Company.

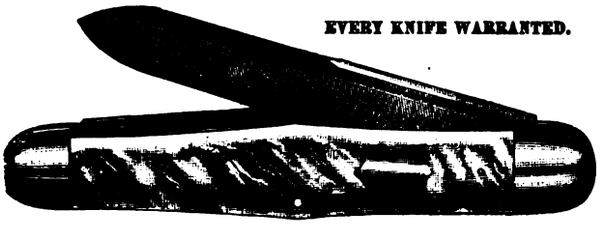
New York,	Philadelphia,	Chicago,
96 & 98 Reade St.	514 Commerce St.	73 Wabash Ave.

Factories, - - READING, PA.

Finest Quality Pocket Cutlery

TRADE UNEXCELLED MARK

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

Two o the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

GENUINE



TRADE MARK

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere

Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



TRADE MARK

BUCK'S HEAD.

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Our Latest is the Ormonde



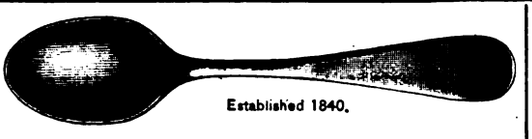
And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

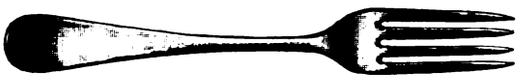
HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

No. 21. NICKEL SILVER SPOONS AND FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "HE Nickel Silver, No. 21."

MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO.

SICKELS, SWEET & LYON,

Wholesale Hardware and Farming Tools.

Office, 35 Barclay Street. *Warehouse, 40 Park Place, New York.*

NEW YORK AGENTS FOR

WINSLOW SKATES, Union Steel Screw Co., Eagle Fi e Co.

Farming Tools sold for New York or factory shipments.
Spring Catalogue No. 9 issued in February.

Also SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.

UNDERHILL, CLINCH & CO.,

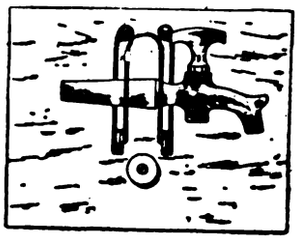
94 CHAMBERS STREET, NEW YORK.

Largest stock in New York City, consisting of

O. Ames & Sons' Shovels, Spades and Scoops.
Utica Tool Co.'s Hoes and Rakes.
Knapp & Pratt Mfg. Co.'s Malleable Iron Rakes.
Chadborn & Coldwell Mfg. Co.'s Lawn Mowers.
David Wadsworth & Sons' Scythes, Grass Hooks, Wooden Rakes, Scythe Snaths, Scythe Stones, &c., &c., &c,

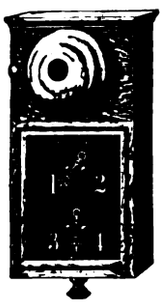
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Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them.
Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON,
Monroe City, Mo.



House... ...Goods Supplies.

ESTABLISHED 1867

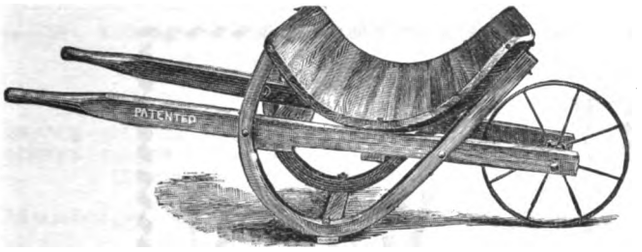
Partrick & Carter Co.
Electrical Supplies.
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

Marten Doscher.

DEPOT,

88 Chambers St., New York.

EDGE TOOLS,

G. W. Bradley's,
Horton's,
L. H. Watt's.

BENCH PLANES, &c.

Turned Work Handles, Mallets, &c.

A YOUNG Merchant, residing in Solengen, and well posted in Hardware lines, wishes position as buyer on commission for a large importing house in the above line. Address P. 5192, Rudolf Mosse, Cologne, Germany.

ESTABLISHED, 1835. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs. Hermann Boker & Co. as Agents for the sale of our goods.

NEW ENGLAND SPECIALTY CO., - **NORTH EASTON, MASS.**

Manufacturers of

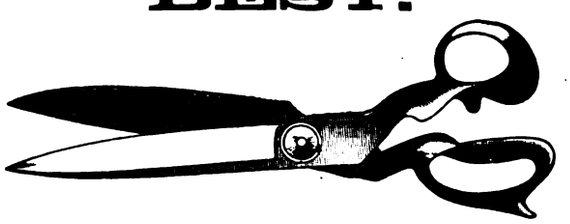
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

FAITH
—IN—
ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.

F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
C. P. GOSS, Treasurer and Manager.

Scovill Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN

Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*

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Just What Every Manufacturer Wants!

The Reference Book

OF THE

Hardware and Kindred Trades of the United States and Canada.

THE Book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

Hardware Dealers.
Dealers in Sporting Goods, Bicycles, Firearms, &c.
Agricultural Implement Dealers.
Stove Dealers.

Sent (Postpaid) on Receipt of

TWO DOLLARS.

CERTAIN marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, Stove dealers in another, etc. In most cases, in the Hardware list, are specified the special kind of Hardware handled, as Shelf Hardware, Cutlery, etc.

SEND ORDERS TO

HARDWARE PUBLISHING CO.,

143 CHAMBERS STREET,

NEW YORK.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES { 277 Broadway, cor. Chambers St.
621 Broadway, cor. Houston St.
753 Fifth Ave., cor. 58th St.
11 Washington St., Saratoga, N. Y.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
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Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.

WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address

FOREHAND ARMS CO.,
WORCESTER, MASS.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, PARKER BROS., MAKERS, Meriden, Conn.

WINNER OF GRAND AMERICAN HANDICAP OF 1895.

TWO FAVORITES.

The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-.65 Remington, and .38-.55 Marlin and Ballard. Made to order only.





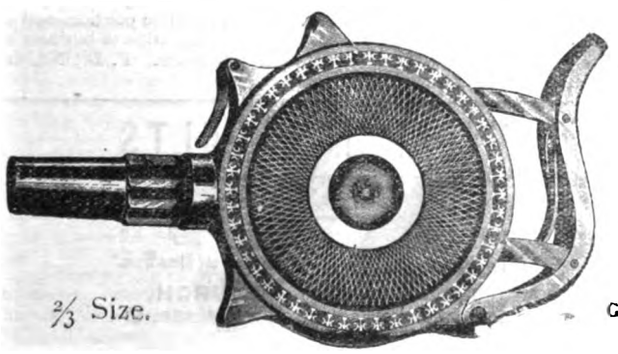
THE REMINGTON HAMMERLESS.
Ten Styles.

Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

REMINGTON ARMS CO.,
Works, ILION, N. Y. New York Office Bicycle Dept., 313 and 315 Broadway.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action Seven shots. Can be carried in the hand ready for action without attracting attention and easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.
GEO. J. WELLS, Agent,
88 Chambers St., New York.



Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three.

A 1,	$4.50	per doz.
No. 2,	2 50	"
No. 3,	1.75	"
No. 4,	.90	"

J. H. SEED, Man'f'r.
21 & 23 Centre Street, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



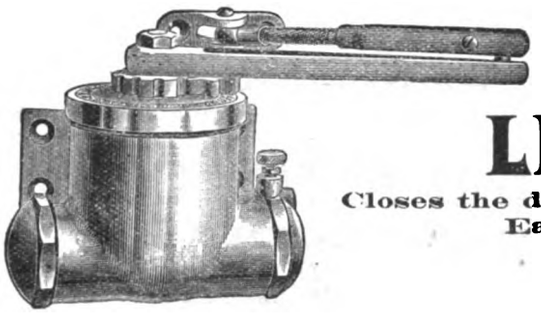
The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

F. H. WEEKS - AKRON, O.

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The Yale & Towne Mfg. Co.,

General Offices, 280 Broadway, New York.



EXCLUSIVE SALES AGENT FOR THE

BLOUNT LIQUID DOOR CHECK

Closes the door absolutely without slamming.
Easy action in opening.
Simple in construction.
Easily attached.
Perfect adjustment.

WAREROOMS:

NEW YORK, CHICAGO, PHILADELPHIA, BOSTON, BUFFALO, SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—Hardware salesman who has had experience in builders' Hardware and cutlery. Address Charles E. Adams, Lowell, Mass.

WANTED—A first-class builders' Hardware salesman, familiar with fine Hardware and plans; give particulars with salary expected. Address Boston, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man. Address Geo. Rome & Co., Carnegie, Pa.

AN importer of pocket knives, scissors and razors desires one or two first-class salesmen, who are thoroughly familiar with these lines and know the trade; highest salary paid. Address, stating full particulars, Good Chance, care HARDWARE, No. 143 Chambers Street, New York.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

YOUNG man, 27, desires position as Bookkeeper, correspondent, collector or salesman. Good references. Address J. C. H., P. O. Box 307, Newark, N. J.

WANTED—A position as retail Hardware clerk by a young man of 21 years of age, with five years' experience and best of references. A position in Southwest Missouri, Texas or the South West preferred. Address W. Lasar, No. 3004 Olive Street, St. Louis, Mo.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "Salesman," care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer. Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N. Y.

EXPORT: A responsible, experienced man, speaking Spanish French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

ENGLISHMAN (27) requires situation as traveler—commission or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' experience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

YOUNG man, 20, over four years' experience with manufacturing Hardware and ornamental iron concerns, desires similar situation; good penman. Can show best of references. Address A. B. H., No. 39 East 106th Street, New York.

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

SITUATION desired by a young man who has grown up in the retail Hardware business. Experienced as buyer for export or would travel or act as foreign representative for an export house. Address J. B. B., Box 192, Caldwell, N. J.

WANTED a position as traveler for Hardware Specialties, by a man of ability and experience; salary or commission. Address E. W., No 1810 N. 13th Street, Philadelphia.

POSITION as traveling salesman. Pittsburg and West Pennsylvania, for Wire, Tin-Plate, Cast or Wrought Iron Pipe. Best of reference and long experience. Address Ernest C Beatty, Box 897, Pittsburg, Pa.

A YOUNG Englishman (23) desires position in Hardware or cutlery, eight years' experience; 2½ London. Splendid references. Wholesale or retail. James R. Bayley, No. 97 Varick Street, New York.

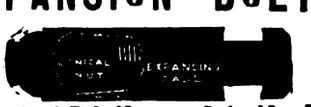
BUILDERS' and General Hardware and Rubber Goods.—Young man (34) with twelve years' experience and good executive ability, desires position. Thorough Bookkeeper, Correspondent, Salesman and Buyer. At present on the road. Competent to act as Manager or Agent for a reliable firm, as he is well known to the New York, Philadelphia and Eastern buyers. Address "Cyclist," care HARDWARE, No. 143 Chambers Street New York.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods. Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as clerk or salesman. Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No 143 Chambers Street, New York.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 Lafayette Avenue, Brooklyn, N. Y.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O

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"SOLID STEEL"
ROYAL ENAMELED COOKING UTENSILS.

WE ARE THE MANUFACTURERS.

The Cleveland Stamping & Tool Co., - Cleveland, Ohio.

Write for Catalogue and Prices.

Situations Wanted.

YOUNG business man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 23, desires position in retail or jobbing house. Five years' experience. Well acquainted with builders' Hardware, machinists' tools and cutlery. Can furnish best of references as to ability, etc. Address E. T. Barton, General Delivery, Hartford, Conn.

A SITUATION wanted by a young man twenty-eight years old, with ten years' experience as salesman. Good city reference can be given. G. A. K., care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

AN energetic young man who has filled every position in the jobbing, Implement and Hardware business from stenographer to manager desires to connect himself with some Eastern manufacturer either at factory or as representative at some point in this country. Address W. J. S., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED—Salesman to handle as a side line, a first-class line of pocket cutlery and scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address L. M. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED salesman to handle as a side line a first class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co, Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches. Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L., Room 1, No. 221 Fifth Avenue, Chicago, Ill.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

Agencies for Hardware Specialties Wanted.

AN old-established firm of advertising agents and contractors in the city of London, England, doing business with the leading advertisers of the United Kingdom, are open to accept sole agencies for the United Kingdom for embossed steel or enamelled iron goods, which are suitable for large advertisers, or any novelty in the advertising line for inside or outdoor exhibition. Apply by letter to C. A. H., Room 25, Times Building, New York.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No 143 Chambers Street, New York.

AN active, pushing salesman, having large acquaintance among Hardware, department stores, etc, in New York, Philadelphia and the South, desires to add a good line on commission. Manufacturer's agency preferred. Highest references. Address "Specialties," care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

For Sale.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Addrees H. E. Colwell, agent; or E. Lambden, Jr., owner.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street, New York.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,
Steel Butts all finishes.

NONE BETTER.

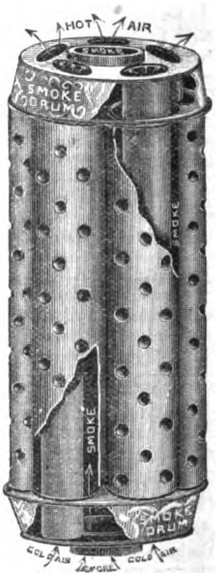
Write for new Catalogue and Discounts.

Perhaps You Know All About It!



THE NEW ERA RADIATOR.—Its construction is very simple, but as a heat giver and a saver of fuel it surpasses all others.

Prices also are lower this year. Full particulars may be had by addressing



WILMOT CASTLE & CO.,

83 Elm Street, Rochester, N. Y.



SEND FOR CATALOGUE.

AGENTS WANTED.

NO MORE GARBAGE CANS

to poison the air and become a nuisance. All the kitchen refuse turned into fuel for the morning fire quickly, cleanly and easily by the

HOUSEHOLD GARBAGE CARBONIZER.

A practical, simple, efficient sanitary and inexpensive device, that converts the garbage into charcoal without offence or trouble, and with no interference with the stove or the draft.

Endorsed by Sanitary Authorities.
Recommended by Health Officials.
Adapted to any style of Stove or Range, and for any Family or Building.

W. F. MORSE & CO.,

58 Pine Street, NEW YORK.



For Butler's Pantry

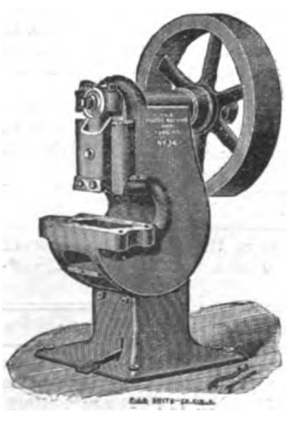
and all other Swing Doors, the best device is

BARDSLEY'S CHECKING SPRING HINGE.

It goes in the sill under the door and works in oil. Send for catalogue showing this and the best line of

WOOD DOOR KNOBS, DOOR STOPS, &c.

J. BARDSLEY, 149 Baxter St., New York.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metal.
Write for Catalogue and prices.



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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—$ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.35&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—$ 1000—
B.E., 11 up..60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
SHOT—
Drop Shot, sizes smaller than B, 25-lb bags $ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, $ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, $ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, $ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, $ bag.....$1.35
Buck and Chilled Shot, 5-lb bags, $ bag.....$ .35
Dust Shot, 25-lb bags, $ bag....$1.75
Dust Shot, 5-lb bags, $ bag ....$ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 8.00
[For 1 100 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Anvils—
Eagle Anvils, $ lb 9c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9½c
American "Horse-Shoe"..9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....30&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits25%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%
HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, $ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $36; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%
GIMLET BITS—
Diamond $ doz. $1.25.....45&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, $ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10% " for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....2½@25&10%
Snell's.....25&25&10%

Awls—
Sewing, Common.....60%
Should. Peg $ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. $ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch $ doz., $1.50..35&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools: No. 10 $ doz. $7.50; No. 20, $ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets: No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level: Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....$ doz. 9.00
Yankee.....$ doz. 10.00
Wide Bit.....$ doz. 10.00
Rockaway.....$ doz. 10 00
Dock.....$ doz. 15.00
Firemen's.....$ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co: Standard Brands.....$ doz. 6.00
Standard Axe & Tool Co.: High Grades, Double Bit, $ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, $ doz.....$13.00
Fayette R. Plumb: Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%
HATCHETS—
American Axe & Tool Co. 40 & 10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb: Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—
Straight Spring balances.40&10@50%
Common 24 lb. ....$ doz. 80c net.
Circular Spring Balances....50&10% No. 2000 20 30
Chatillon's $ doz. 80c 95c $1.75 net
Chatillon's Spring Bal....40@40&10%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—
HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Kell & Son Trip Gongs...50%
DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....33⅓&10%
Gong, Yankee.....45&10%
Gong, Barton's.....40&10@50&0%
Crank, Taylor's.....25&10%
Crank, Brooks'.....2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.... ....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....20&10%
Sargent's: Sheep and Cow Bells.....60&10% Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—
Boston Belting Co.; "Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.: Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.: War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..$ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....$ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 $ doz.....25%
Millers Falls $ doz. $4.50.....25%
Wm. Johnson's: 7½x⅞x1, $ doz. $11.00.....50% 9x⅞x1, $ doz. $12.00.....50%

Bit Holders—
Extension: Millers Falls Barber's, $ doz. $15 40@40&10%
Ives' $ doz. $20.00....60&5@60&10%

Blind Adjusters—
Domestic..$ doz. $3..33⅓@33⅓&10%
Excelsior..$ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—
A Millers Falls $ set $.....20%
Austin & Eddy $ gro. sets.....$5.50
orhans Improved Star Tenon $ gro. $1.00.....25%
Mackerell's, $ doz. $1.00..20@20&10%
Merriman's Brass Lever $ gr. $15.00
Merriman's Iron Lever $ gr...$9.00
Security Gravity $ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate $ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co. Mal. Iron.60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75&10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75&10@80%
Norwich Lock Mfg. Co. list.....80%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.66⅔%
Wr't Sunk Flush, Sargent's list. 60@10%
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &C.—
Com. Jan 30, '95.70&10&5@70&10&10%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila. pattern, list Oct. 7, '84.....80%
R. B. & W., old list.....70&10%
Machine list Jan. 30, '95.....75&10%
Bolt Ends, list Jan. 30, '95.60@80&5%
TIRE—
Common, list July 1, '95.....70&10%
American Screw Co.: Norway, Pa., list July 1, '95.....75% Eagle Phila., list July 1, '95.....80% Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%
STOVE AND PLOW—
Stove.....70%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%
MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....70%

Bone Mills—
Enterprise.....30%

Boring Machines—
Without Augers.

	Upright.	Angular.	
Douglass'.....	$5.50	$6.75.....	50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%	
Jennings'.....	5.50	6.75, 50@ 50&5%	
Other Machines...	2.25	2.50.....net	
Phillips' Patent with Augers.....	7.00	7.50	
Millers Falls.....		7.50	20%

Bow Pins—
Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co 60&10@60&10&10%

Braces—
Barber's.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5% New Haven Ratchet.60&5@60&10% Barber Ratchet.....60&5@60&10% Barber.....60&5% Spofford.....60&5@60&10%
Common Ball American..$1.00@$1.10
Bartholomew's: Nos. 25, 27 and 30.....60% Nos. 117, 118, 119.....60@70&75%
Amidon's: Barker's Imp'd Plain...75&10@80% Barker's Imp. Nickeled.65&10@70% Ratchet.....75&10@80% Eclipse Ratchet.....60% Globe Jawed.....40@40&10% Corner Brace.....40@40&10% Universal, 8 in., $2.10; 10 in. $2.25 Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s: Nos. 10, 12, 20.....60&10% Nos. 22, 23, 25.....60&10&5% Nos. 11, 21, 24, 27.....70&10% Nos. 13, 26, 36, 37.....70&10&5% Ball Braces, net. $ doz. $1.12@$1.25
Millers Falls.....35%

Brackets—
Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.70@70&10%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....90&20@90&25%

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Bull Rings—
Union Nut Co. 55%
Sargent's 60@50&10%
Seymour Smith & Sons, low list 30%
Humason, Beckley & Co.'s 80@80&10%
Peck, Stow & Wilcox Co.'s 60@60&10%

Butcher's Cleavers—
Bradley's 25@30%
L. & I. J. White 25%
Beatty's 40&5@40&10%
New Haven Edge Tool Co.'s 40%
P. S. & W 33⅓&5@33⅓&10%
Dunlap's Family 25%
Foster Bros. 30%

Bung Hole Borers—
Enterprise 25%

Butter and Cheese Tryers—
Ordinary 25%

Butt Gauges—
Stanley's 20&10%

Butts—
BRASS—
Wrought Brass 30&10@30&20%
Cast Brass, Tiebout's Fast Joint 60%
Cast Brass, Tiebout Ice House 40%
Cast Brass, Cortlin's Fast 33⅓&10%
Cast Brass, Loose Joint 33⅓&10%
Cast Brass, Francis Kell & Son 40%
Norwich Lock Mfg. Co. Bronze 30%
CAST IRON—
Fast Joint, Narrow 60@60&10%
Fast Joint, Broad 60&10@60&10&10%
Loose Joint 75&10@80%
Loose Joint, Japanned 75&10@70%
Loose Joint, Jap. with Acorns 75&10@80%
Parliament Butts 75&10@80%
Mayer's Hinges 70@70%
Loose Pin, Acorns 70&10@80%
Loose Pin, Acorns, Jap. 70&10@80%
Loose Pin, Acorns, Japan'd, Plated Tips 50&10@80%
WROUGHT STEEL—
List, April 1 '95.
Narrow, No. 800 } 75%
Narrow, Loose Joint, No 802
Loose Joint, No 806
Reversible, No. 804
Broad, No 808
Table, No. 810
Back Flaps, No. 814
Square Back Flaps, No. 816
Pew Door, No. 818
Chest, No. 20
Reversible, with Steeple or Ball Tips, Nos. 22, 823
Light Reversible, with Ball Tips, No. 82
Extra Light, No. 826
Light Reversible, No. 834
Light Loose Joint, No 836
Wrought Steeple Pat. No. 83⅓
Light Narrow, No 834
Loose Pin, Light Nar., No. 840
Light Inside Blind, No 842
Light Inside Blind, Beveled Edge, No 843
Light Inside Blind, Loose Pin, No 844
Three Fold Shut Butts, No. 845
Light Inside Blind Edge Hole, No 846
Light Inside Shutter, No. 848
Parliament, with Steeple or Ball Tips, Nos. 828, 829
Parliament, No. 831
Light Parliament, No. 833

Can Openers—
Messenger's Comet 3 doz $3.00, 25%
American 3 gross $1.75@$2.70
Dunlap's Iron Handle, No. 3 3 gr. $12.00 75%
A. S. Henn 50&10%
Dunlap's Wood Handle No. 2 $1.75 25%
No. 5, Iron Handle 3 gr. $8 45@50%
Eureka 3 doz. $2.50 10%
Sardine Scissors 3 doz. $2.75@3.00
Dunlap's Sardine Scissors, 3 doz. $5.00 25%
Star 3 doz. $2.75
Sprague, No. 1, $2.00; 2, $2.25; 3, $3.50 70%
World's Best, 3 gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00 50&10%
Electric Rotary Expansive, 3 gr $9.00
Goodell's Acme, 3 gr. $8.00; 3 doz. 75c
Universal, 3 doz. $3.00 55&5%
Domestic, 3 doz. $2.00 45%
Champion, 3 doz. $2.00 5%
New Scott Mfg. Co.'s list 30&10%
Leavitt's Common Sense 3 gro $7.00 50%
Kohler's Cyclone 3 doz. 75c
Kohler's Lightning 3 doz. 90c
Moore's 75%

Cards—
Horse and Curry 2@25%
Cotton 2@25%
Wool 2@25%

Carpet Stretchers—
Cast Steel, Polished 3 doz. $3.25
Cast Iron, Steel Points 3 doz. 35c 20%
Bullard's 30%
Dunlap's 25%
Wm. Johnson's Socket 50%

Carpet Sweepers—
Bissell's:
Grand 3 doz. $36.00
Gold Medal 3 doz. $27.00
Prize 3 doz. $27.00
Premier 3 doz. $27.00
Superior 3 doz. $27.00
Cosmopolitan 3 doz. $27.00
Furniture Protector, Japanned 3 doz. $24.00
Furniture Protector, Nickel 3 doz. $27.00
Inter Ocean 3 doz. $27.00
Hall 3 doz. $48.00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1 3 doz. $21.00
Domestic, No. 2 3 doz. $22.00
Excelsior 3 doz. $22.00
Garland 3 doz. $18.00
Grand Rapids, Jap 3 doz. $24.00
Grand Rapids, Nick. 3 doz. $27.00
Housewife's Delight 3 doz. $15.00
Improved Parlor Queen Japanned 3 doz. $24.00
Improved Parlor Queen Nickeled 3 doz. $27.00
Standard 3 doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 3 doz. in 5 doz. lots, $2.00 3 doz. in 10 doz. lots.

Casters—
Bed, Plate, Shallow Socket } 60&10@70%
Deep Socket 60%
Martin's Patent (Phœnix) 60@60&5%
Tucker's Patent, low list 50@50&5%
Yale Casters, list May, '84 0%
Yale Gem 70%
Giant Truck Casters 30%
Stationary Truck Casters 60%
Socket Truck Casters 60%
Swivel Truck 60&10&10%
Store 50%
Gwinner's Common Sense 50%
Gwinner's Hercules 50%

Catches and Turns—
Cupboard Catches 70&10&10%
Transom Catches 60%
Cupboard Turns 60%
Close Catches 70&10%
Screw Door Latches 70%
Screen Door Catches 50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches 50%

Cattle Leaders—
Covert's Saddlery Works 33⅓%
Humason, Beckley & Co.'s 70&10@70&10&10%
Sargent's 70&10@70&10&10%
Seymour Smith & Sons 60%
Peck, Stow & W. Co. 66⅔%
COW TIES—
American 60&10%
Triumph 33⅓%
Covert's Horse and Cattle:
Jute 33⅓%
Manilla 33⅓%
Sisal 33⅓%

Chain—
Trace, 6½-10-3, 3 pair, $1.08 60&10%
Trace, 6½-10-3, 3 pair 92c 60%
Trace, 7-10-3, 3 pair $1.11 60%
Log, Fifth Stretcher, other fancy Chains 60&10&5@60&10&10&5%
Covert Mfg Co. 45%
German Coil 60&10%
German Halter Chain 60&10%
Oneida Halter Chain 60@60&5%
Covert's Rein Chains 33⅓%
Covert's Breast Chains 33⅓%
Covert Mfg. Co. Breast Chains 55%
Covert's Hitching Chains 33⅓%
Galvanized Pump Chain 3 lb 6c
Jack Chain, Iron 75@75&5%
Jack Chain, Brass 60%
Plumbers 60%

Cherry Stoners—
Enterprise 25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W., New Haven, Witherby, Mix } 80&10&10%
O. E. Jennings & Co. 25%
Douglass 75@75&10%
Buck Bros. 30%
Merrill 60@60&10&10%
Jennings & Griffin Mfg. Co. 60%
TANGED AND MISCELLANEOUS—
Tanged Firmers' 40&10%
Butchers' $4.75@$5.00 to $8
Spear & Jackson's $5 to $8
Buck Bros. 30%
O. E. Jennings & Co. 30%
Jennings & Griffin Mfg. Co. Drawing Knives 70&7½%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge 40%
Cold 60%
Box 60&10%

Chucks—
Beach Pat. each 3.00 30%
Morse's Adjustable, each $7.00 30@30&5%
Danbury, each $6.00 30@30&5%
Syracuse, Bals Pat. 30%
Skinner's Pat. Drill Chucks 50%
Skinner's Ind't Lathe Chucks 30%
Skinner's Pat. Comb. Chuck 40%
Drill 30%
Star 25%
Barber 25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50 25%
Combination 40%
Universal 40%
Independent 40%
Whiton's
Combination 40%
Independent 50%
Cushman's:
Combination 40%
Independent 50%

Clamps—
R. I. Tool Co.'s Wrought Iron 25%
Adjustable, Cincinnati 25&10%
Adjustable, Hammers 15@15&5%
Cabinet Makers, Sargent's 70&10%
Carriage Makers', Sargent's 70@75&5%
Carriage Makers' P. S. & W. Co. 40&10%
Eberhard Mfg. Co. 40&5@40&10%
Warner's 40&10@40@10&5%
Carpenters', Cincinnati 15%
Cleavers—
Foster's 30%
Jennings & Griffin 40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper) $3.50
Clarke's (Imported) 3.50
Albion L (for left hand) 3.50
Foxhall 3.50
Autocrat (centre fly nut) 3.50
Peerless (horse toilet) 4.00
Newmarket 2.50
Triumph (Ball bearing), horse toilet 4.00
Keystone (Ball bearing), centre fly nut 5.00
American (double cutting plate) 5.00
Lexington 3.50
Advance 2.50
Globe Reversible (Ball bearing) 6.00
Republic 3.75
Double Diamond (reversible plate) 5.00
Dictator 3.50
Empire 3.75
Regent Toilet (for horse) 3.00
La Belle Toilet (for horse) 3.00
} 25%

Clips—
Norway Axle 70@70&5%
Spring Bar Clips 60&10&10@70%
Superior Axle Clips 70@70&5%

Coffee Mills—
Box and Side 60@60&10%
Am. Enterprise Mfg. Co. 25%
The Swift, Lane Bros. 30%
Wapdell's New Box Mills, Ideal Brand, New List 60@60&10%
Logan & Strobridge Iron Co. 60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers 70&10@75%
Bemis & Call Co.'s: Dividers 65%
Brown & Sharpe Micrometer 25&10%
Calipers, Wing 60%
Inside or Outside 65%
Double 65%
Call's Pat. Inside 55%
Stevens's "Ideal" 25%
Stevens's "Leader" 55%
Starrett's Fay's Patent Spring Calipers and Dividers 25%
Wright's Graduating 15%
Brown & Sharpe 20%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers 40%
Wing Calipers 70%
Inside, Outside and Double 70%
Registering 50%

Coopers' Tools—
Bradley's 20%
Barton's 20@20&5%
L. & I. J. White 20&5%
Albertson Mfg. Co. 25%
Beatty's 33⅓%
Sandusky Tool Co. 25&10@30&10%
Shaves, Cincinnati Tool Co. 30%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
Williamson's 33⅓%
Detroit Cork-Screw Co. 33⅓%
Howe Bros. & Hulbert 33⅓%
Samson 3 doz $10.00

Corn Huskers—
Hubbard's Solid Steel 3 gr 6.00 33⅓
Perkins Boss:
Styles A and B, 3 doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, 3 gro. $3.00; R, 3 gro. $20.00.
Wrist Supporters 3 doz. 75c
Mittens 3 doz. $1.50
Ashtaoula 3 gro. $2.50
Brinkerhoffs 3 gro. $15.00
Buckeye 3 gro. $4.00
Cleveland 3 gro. $7.50
Johnson's 3 gro. $6.50
Universal 3 gro. $15.00

Corn Knives and Cutters—
Bradley's 10%
Wadsworth's 25@25&10%

Counter Sinks—
Adjustable 30%
Shepardson's Diamond 40@45%
Einwachters 60&10%
Wheeler's Patent 40%

Crayons—
Sargent's List 30%
Dixon's
Eclipse 3 gro. $3.75
Emerald 3 gro. 5.00
Oriole 3 gro. 5.00
Rainbow 3 gro. 2.81
Solid 3 gro. 7.50

Curry Combs—
Spring, Jap'd 3 doz $1.75; Blued, $2.25; Nickeled $3.00.
Rubber, 3 doz. $7.00 20%
Perfect 33⅓%
F. E. Kohler & Co.'s Magic Oscillating 3 doz. 2.00
F. E. Kohler & Co.'s Humane 3 doz. $1.75
Gibbs' Magnetic per doz. net $1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5 $1.00 $1.13 $1.25
5½ 6 7 inches $1.38 $1.50 $2.00, doz. 40&10%
Nickeled Shank 4 4½ 5 $1.35 $1.48 $1.60
5½ 6 7 inches $1.73 $1.85 $2.35, doz. 40&10%
Buffalo Damper Clips 40&10%
Crown Damper 40%
Excelsior 40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment) 40%
Leather (full assortment) 50&10%
Medford Fancy Goods Co. list 40%
Keystone Mfg. Co.:
Low List 50%
Leather Muzzles 50&10%

Door Checks—
Bardsley's 20%
Sargent's Eclipse 55%
Shaw's 40%
Unity F. G. 50%
Quinn's Royal 5%

Door Openers, Electric—
Electric Door Opener, complete $9 50&10%
Thaxter Electric Lock, list $35.00
SPARK COIL—
Stanley & Patterson $4.00 50%
Stanley & Patterson "Daisy" $1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893 33⅓%

Door Springs—
Torrey's Rod, regular size 3 doz $1.40
Bee Rod 3 gr., $30.00 20%
Warner's 55@55&10%
Gem (Coil), list April 19, 1886 20&20%
Star (Coil), list April 19, 1886 30&10%
Foster's (Coil) 30%
Champion (Coil) 55&10@55&10&5%
Cowell's No. 1, 3 doz, $15.00; No. 2, $15.00 50&10%
Rubber, complete, 3 doz. $5.50, 66⅔@70%
Quinn's Royal 50%

Drawer Pulls—
Sargent's List 60%

Drawing Knives—
Witherby, Jennings & Griffin, P. S. & W., Mix, New Haven } 80&20&10%
Merrill 60&10@80&10&10%
Douglass 75@75&10%
Watrous 15 1 @25%
L. & I. J. White 2 &50&25%
Bradley's 25%
Adjustable Handle 25@33⅓%
Wilkinson's Folding 30@35&5%
Hinsdale 75&5%

Drills and Drill Stocks—
Blacksmiths' each $2.25
Breast, P. S. & W. 33⅓&10%
Breast, Wilson's 30&5%
Breast, Millers Falls 25%
Breast, Bartholomew's each $2.50 25&10@40%
Ratchet, Merrill's 30@30&5%
Ratchet, Ingersoll's 25%
Ratchet, Packer's 65%
Ratchet, Whitney's 20&10%
Ratchet, Weston's 30@35%
Ratchet, Moore's Triple Act. 35@50%
Ratchet, Billings' Dble. Acting 33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00 20&10%
Wilson's Drill Stocks 10%
Automatic Boring Tools $2.00, 25%
Stearns' Bench 60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover 3 doz $3.00 60%
National, 3 doz $4.50 33⅓%
Famous (T. & S. Mfg. Co.) 3 gro $17.00@$18.00
Duplex (Standard Co.) 3 doz $1.25
Rival (Standard Co.) 3 doz $1.00
Duplex Extra Heavy (Standard Co.) 3 doz $3.50
Triumph (T. & S. Mfg. Co.), 3 gro $10.50 $11.00
Ayre's Spiral 3 gro $ 5.00
Paine, Diehl & Co.'s Keystone 33⅓%

Emery—

	No. 4 to No. 54 46 gr.	150 gr.	Flour, OF FF.
Kegs, 3 lb.	4½c	5c	2½c
¼ kegs, 3 lb.	4½c	5½c	2½c
½ kegs, 3 lb.	5c	5½c	3c
10 lb cans, in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890 60%
Brass 60%
Enameline—
No. 4, 3 gro $4.50
No. 6, 3 gro $7.20
Escutcheons
Door Lock, same dia. as Locks. Iron, list January, 1890 60%
Brass Thread 60%
Wood 25%
Faucets—
John Sommers' Son:
Peerless Best Block Tin Key 40%
IXL., 1st quality, Cork Lined 50%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat. Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Bohren's Pat. Rubber Ball....25%
Fenn's Cork Stops....33⅓%
Starr....60%
Frary's Pat. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00....33⅓%
Lane's ₩ doz. $36.00....20%
Enterprise Molasses Gates....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3.5	$4.00
Dairy Pails, 14 qt.	$3.3..	4.00	
Fire Pails, No. 2, 14 qt. $4 00		3.50	
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)..		3.70	
Buggy Pails (short and light)..		2.75	
Prism Pails (with cover)		6 50	
Slop Jars (bal. trap), No. 5 and 5x 14 qt.	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 q...	5 50	6.50	7.50
Commode Rings (extra)	1 50	1.75	2.00
Wash Basins (10½ i ch)	1.75	1.90	2.30
" (12 in h)..	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	4.30
Wash Bowls..		3. 0	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.80	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3 00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Display," 8 inch (pressed)	3.50	4.00	4.50
Spittoons, 10 and 11½ inch	4 50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures...	2.50		

Files—

DOMESTIC—

Arcade....65%
Montgomery & Co., Special....65%
Nicholson Files, Rasps, &c & @20's 10%
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagle....60&10&10@70%
American....60&10& 5&70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't's 50&10%

IMPORTED—

Moss & Gamble, List April 1, 1893. 15%
Butcher....Butcher's list, 20%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—

Seed's Water Filters:

A 1, $4.50	No. 2, $2.50	No. 3, $1.75	No. 4, $ .90	₩ doz.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (30c base)....10%

Fluting Scissors—

List....45%

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Manure, &c. Phila. list. 60@60&5%

Freezers, Ice Cream—

Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Ohio....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Blizzard....70%
American....60%

Fry Pans—

Standard List:

No	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gauges—

Marking, Mortise, &c....60&10%

Starrett's Surface, Center and Scratch....35&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....20&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—

Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....25&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ₩ gr $12....25@25&10%
Bell Hangers....50%

Glue—

Dodd's Liquid Glue....25&25&5%

Glue Pots—

Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Graters—

Enterprise....25%

Grindstones—

Family....50%
New York Pattern....30%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—

Howard Iron Co....20%
Sargent's Patent....70&10%
P. S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's....₩ doz. $6.50

Halters—

Covert Mfg. Co....45%
Covert Saddlery Works, List 1893.
Rope, ½ in. Jute.
Rope, ½ in. Hemp.
Web and Rope Halters.
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 40%
Upson & Wooding....40%

Halter Leads—

Covert Mfg Co....45%

Hammers—

HANDLED HAMMERS—

Maydole's....35%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co.....
} 40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....70%
Stone Cutters....75%
Blacksmiths'....60%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....30@35%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ₩ doz.....
Nos. 1, $3; 2, $6....33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00....45%
Upholsterers Solid Steel, French ₩ doz. $2.00....30%
Upholsterers Rosewood Handle, ₩ doz. $1.00....40%
Henry Clueney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔...₩ ℔ 45c
3 to 5 ℔...₩ ℔ 36c
Over 5 ℔...₩ ℔ 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c₩ ℔

Hammock Ropes—

Covert Mfg Co....45%

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos	0	1	2	3	4
Per doz	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%

STORE DOOR HANDLES—

Japanned....60&10%
Bronzed....60&10@65&5%
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%

DOOR PULL—

Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
} 30&5%
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
} 30&10%
Socket Firmer Chisel, as. ₩ gr 3.00
Worcester Leather Cap'd Chisel. 25%
File, assorted....₩ gr 2.75
Auger, assorted ...₩ gr 5.00
Auger, large.. ...₩ gr 7.00
} 30&10%
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's....₩ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—

Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 60%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—

Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track. 55%
U. S. Wood Track....55%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&25
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader. 50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger....20&10%
Davis Hanger....20&10&10%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1¼, $18.00; 2, $22 3, $30.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ₩ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat....20&10@20&10&10%
Stearns' Anti-Friction....20&10@20 &10&10%
Stearns' Challenge 25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $6.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50 net.

Hay and Straw Knives—

Lightning. Mfrs' price ₩ doz $18.00, 45%
Gem....₩ doz $10
Wadsworth's....40%
Carter's Needle..₩ doz $11.50@$12.00
Heath's....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T....50%
Corrugated Strap and T....30%
Hart's Pat. Heavy Strap....30%
Screw Hook and Strap.
6 to 12 in., ₩ ℔ 9-10c
14 to 20 in., ₩ ℔ 4-10c
22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hood...
6 to 12 in., ₩ ℔ 9-10c
14 to 20 in., ₩ ℔ 4-10c
22 to 36 in., ₩ ℔ 2 9-10c

Screw Hook and Eye.
½ in., ₩ doz $1.50
⅝ in., ₩ doz $2.45
¾ in., ₩ doz $3.35
} 10%
Rolled Blind Hinges Nos. 3 and 34 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔....$4.75

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Kell's American....30%
Union Spring Hinge Co.'s list, March, 1886....20%
Acme....30%
J. S....35&10%
Empire and Crown....20%
Stover Ideal ₩ gro.....$13.00
New Idea ₩ gro....$13.00
Hero and Monarch....55%
American, Gem and Star....20%
Oxford....30%
Barker's Double Acting...25@25&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@20%
Chicago....30%
Wiles'....10%
Devore's....40%
Rex....40%
Royal Japanned....60%
Royal Bronze....45%
Reliable....60%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔%

GATE HINGES—

Western....₩ doz $4.40, 60%
N. E....₩ doz $7.00, 55%
N. E. Reversible. ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....₩ doz $5.00, 55&10%
Automatic....₩ doz $12.50, 50%
Kell's Superior....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's....45&10%
Shepard's....60&10&15%
Sargents....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing....50%

BLIND HINGES—

Barker....75&10%
Palmer....50&10&10%
Seymour....70&25
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 3, 5, 40 and 50....80%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....80%
Buffalo....80%
Clark's Genuine Pattern....80%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3....75&10&5%

Hitching Cords—

Covert Mfg. Co....45%

Hoes—

HANDLED—

Garden, Mortar, &c....70%
Planter's Cotton, &c....70%
Warren Hoe....65%
Magic....₩ doz $4.00
Dunlap's:
Boys' hoes....₩ doz $3.00, 30%
Ladies' hoes....₩ doz $3.00, 30%
Scuffle....30%

Eye—

D. & H. Scovil....30%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat...45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 5 to 60 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%
Boilers and Saucepans....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove....50%
Maslin Kettles....65&10%
Boilers and Saucepans....45&5%
Granite and Agate-Ware, list Jan. 1, 1894....35%
Ironclad Enameled-Ware 33⅓&10%
Rustless Hollow-Ware....50@50&5%
Triumph Broilers....50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Reed & Barton....
Meriden Britannia Co....
Simpson, Hall, Miller & Co..
Rogers & Brother....
} 40&5%
Hartford Silver-Plate Co.
William Rogers Mfg. Co.
} 40&5&5

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Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list. } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@50 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&%
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".....60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Ceiling.....50%
Wm. Johnson's: 8 in. $2.20 net; 10 in. $2.70 net ₩ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $3; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	23c	23c	23c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	80&10%
Essex	23c	23c	23c	24c	23c.	40&10&5&2%&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n.	25c	23c	23c	21c	20c.	25@35&5%
A. C.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c.	21c	40&10&5%
Champlain.	23c	23c	23c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champl n.	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	15c.	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	50%
Empire Bronzed						13@14c ₩ ℔

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co.....45%

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Husking Gloves—
Blair Husking Glove Co.:
No. N R. G Gloves...₩ doz. $1.00
No. 123 Gloves.....₩ doz. 4.50
No. 125 Gloves.....₩ doz. 6.00
No. 150 Gloves.....₩ doz. 9 00
No. 155 Gloves.....₩ doz. 8 00
No. 146 Gl ves.....₩ doz 9 00
No. 152 Gloves.....₩ d z. 7 50
No. 142 Gloves.....₩ doz. 7 00
No. 1 8 Gloves.....₩ doz. 6 00
No. 052 Glo e.....₩ doz. 8.00
No. 147 Gloves.....₩ doz. 4 50
Wrist Supporters.....₩ doz. .75
No. 160 Husking Pin..₩ gro. 7.00
No. 165 Husking Pin..₩ gro 10 50
No. 170 Husking Pin..₩ doz. 2. 0

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12		16	18	20
Inches.	12x9		13x9½	14x10	15x10½
Dozen..	$14.40		$18.00	$20.64	$23.40
Each...	1.20		1.50	1.72	1.95
Quarts.	24		32	40	48
Inches.	16x11		17x11½	18x12	19x13
Dozen..	$27.00		$32.40	$41.58	$49.50
Each...	2.25		2.70	3.47	4.13
Quarts.	56		72	100	128
Inches.	20x14		22x15½	24x17	26x18½
Dozen..	$65.34		$79.20	$108.90	$136.62
Each...	5.45		6 60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen..		$14.40	$18.00	$20.64
Each...		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen..		$23 40	$27.00	$32.40
Each...		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Minding Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Bt'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@65&5%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 30c, 60&10%

Ladies, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler:

No. 1,	No. 2,	No. 3,
₩ doz $12.00	$ 5.00	$24.00 .40%

No. 4, $7.00 each.....33⅓&%

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common.... ₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $3.75..20%
Jennings' Star..... ₩ oz. $2.
The Boss.....₩ oz. $2.10
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.85 3, $1.65; Queen $3.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C E Jennings & Co.'s:
Hexagon.....25%
Iron B nch, new design.....25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔&%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 68.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 9I.....30%
Romer's Scandinavian, &c, Nos. 100 to 595..15%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 1.9 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....80%
No. 427.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓&%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....40%

Nos.		100	150
		$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$50

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$3.75	$4.00

Enterprise.....5%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&2½%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2½%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&2½%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 10%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $2.50, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.20c
Cold Pressed C. & T.....4.80c
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ¼c ₩ ℔, net.
Tapped.....10%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille:.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %
OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 8x1⅝ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1⅛ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x½ to 1½, ₩ ℔.....24
" 2x2x½, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x⅝ to 1, ₩ ℔.....2.80
No. 1, 5½ to 8x1¾ to 2x⅝ to 1, ₩ ℔.....3.50
No. 1, 3 to 12x1¾ to 2¼x⅝ to 1¼, ₩ ℔.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x1⅛ to ⅝ ₩ ℔.....4.0

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .08
Washita Finish, about 8x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1⅛ to 2x¼ to ⅝ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1⅛ to 2x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1⅛ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .80
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x¾ to 1 ₩ lb..... .10
Special Axe, 2½x1¼x⅛ ₩ lb... .18
Pike's Sandstones:
Small, 3x1½x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 3 to 3½x2x1½, weight about 1½ lb, ₩ lb..... .05
Large, 3½ to 9x3½x2, weight about 2lb. ₩ lb..... .05
Small table, 9 to 9½x3½x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per lb 70c..... 40%
Boston "Phœnix" Red Sheet, per lb..... 50c. net
N. Y. R. & P. Co., Standard..... 50%
N. Y. R. & P. Co., Empire..... 60%
N. Y. R. & P. Co., Salamander... 25%
N. Y. R. & P. Co., 1848-Para....40&10%
N.Y.R. & P.Co., Double Diamond.60%
N. Y. R. & P. Co., Carbon.....60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard....₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute.....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1886.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ poz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
75.....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00.....20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Planes and Plane Irons—
WOOD PLANES—
Molding..... 50%
Bench, First Quality..... 55%
Bench, Second Quality..... 60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship..... 45%
U. S. Grooving..... 40%
Fales Bench..... 20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's..... 40%
Victor..... 30%
Miscellaneous..... 35%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros..... 30%
Auburn "Thistle"..... 25%
Ohio..... 25%
Sandusky..... 25%
S. & I. J. White..... 25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers..... 30%
Hall's Side Cutting Pliers..... 30%
Hall's Nippers..... 30%
Button's Patent..... 50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers..... 60%
Eureka Pliers and Nippers..... 40%
P. S. & W. Cast Steel..... 50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters..... 30%
Swiss Pliers..... 25%
Stube'..... 20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6¾ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12..... 25%
Stratton's Nos. 2 to 8..... 50%
Cook's.....40&10%
Stanley's..... 75%
Regular List..... 75%
Disston's..... 50%
Pocket Levels..... 70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs..... 40%
Wm. Johnson's..... 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's..... 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz..... 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz..... 10%
J. P. Lovell's Police Goods..... 25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00 } 10@
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00 } 15%
2 qt., ₩ doz. $1 50; ₩ gr. $14 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $1 00; 2 qt ,$4 00.....33⅓%

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.80, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00₩doz.25%

Pulleys—
Axle..... 60%
Dumb Waiter..... 60%
Ceiling.....60&10%
Hot House..... 66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley..... 60%
Common Sense..... 60%
Moore's Sash. Anti-Friction..... 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.72..... 50%.
Shade Rack..... 45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00..... 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.'
No. 1, Fig. 328, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15 00
No. 5, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump..... $17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 9, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No 128, Fig. 510, 3 in. Lift Pump..... $7.00
No. 131. Fig. 510, 3½ in. Lift Pump.....$8.00
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 260 Fig. 424, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 512, Cyclone Tank Force Pump..... $ 7 00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig 513, Low Down Tank Force Pump.....$16 00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 335, Fig 547, Knapsack Spray Pump.....$10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz.,90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat..... 15%
Bemis & Call Co.'s Springfield Socket..... 65
Bemis & Call Co.'s Spring and Check..... 50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches..... 15%
Avery's Revolving..... 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots..... 33⅓%
Lesser quantities..... 25%
Niagara Hollow..... 20%
Niagara Solid..... 55%

Radiators—
Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6 50
American Refined Iron, to fit 6 in. Stove Pipe..... $6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7 50
Planished Iron, to fit 7 in. Stove Pide.....$3.50
Planished Iron, to fit 8 in. Stove Pipe.....$ 0 00

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1.net ₩ doz. $4.90
Gibbs' Crown, No. 2.net ₩ doz. $5.30
Gibbs' Hustler, No. 0.net ₩ doz. $4.25
Gibbs' Hustler, No. 1.net ₩ doz. $4.40
Ft. Madison Prize Bow Brace and Peerless..... 65%
Fort Madison Steel Tooth Lawn Rake, $6.00..... 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00: No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth. No $2.40; No. 2 $2.10
Lawn, 23 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co..... 20%
Wostenholm and Butcher, $10.00 to £..... net
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889..... 50%
Electric.....List net
Campbell's Celebrated Warranted..... 50%
Refrigerator Hardware—
Francis Keil & Son..... 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Norway, list July 1, '95..... 60%
Coopers..... 65%
Block..... 65%
Carriage..... 65%
Hame..... 65%
Burrs..... 65%
American Screw Co.:
Bay State Rivets..... 75%
Belt with Burrs..... 65%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass..... 30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list..60&10&10%
Moore's Acme Barn Door..... 55%
Moore's Adjustable Stay..... 55%
Union Barn Door Roller..... 70%

Rope
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 5½c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
Cotton Rope.....₩ lb 11@13c net
Jute Rope.....₩ lb 5@6c net
1½% for cash in 10 days.

Rules—
Boxwood..... 80%
Ivory..... 50%
Miscellaneous, Stanley's..... 60%
Starrett's Rules and Straight Edges, Steel..... 25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$2.75
Self-heating.....₩ doz $3.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet..... 30%
Enterprise Star Irons..... 30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England..... 5c, 15%
Mahony's Troy Pol. Irons..... 15%
Sensible..... 20%
National Self-heating..... 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net.....$3.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth..... 50&5%
Garnet Paper..... 30&5%

Sash Chain—
Giant..... 40%
Monarch..... 50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal..... 25%
Steel Cable..... 25%

Sash Cord—
Common.....₩ lb 10@11 c
Jute, good quality..... ₩ lb 11c
White Cotton Braided, fair. ₩ lb 25c
Common Russia Sash..... ₩ lb 16c
Patent Russia Sash..... ₩ lb 15c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Cable Laid Sash..... ₩ lb 14c
Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26½c @ 28c
Sylvan Spring:
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton....27c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....56c

Sash Fasteners, Holders, &c.—
Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....₩ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'sed....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security....70%

Sash Weights—
Solid Eyes....₩ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40&10%

Saws—
Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....30%
Gang, Drag & Mill....40%
X Cuts, Regular Back...25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....4 %
Atkin's Wood....40%
Atkin's Hand....4 %
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%

HACK SAWS—
Griffin's complete....45%
Griffin's Hack Saw and Blades....45%
Chatillon....30%
Butchers....25%
Star Butcher....25%

Saw Frames—
Star Hack....25%
White Vermont....₩ gro. $9.50@$10.00
Red, Polished and Varnished....₩ doz., $2.00 40%
C. E. Jennings & Co....30%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%

Saw Sets—
Stillman's Lever, Nos. 40, 45....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $14.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $20.00; No. 5, $21.00....40&20%
Perfect Saw Jointer....33⅓&2%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Hand....15%
Automatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut....30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat Lever....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold....₩ doz., $15.00, 5%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%

Scales—
Union Platform Plain...$3.10@$3.20
Union Platform Striped. $3.20@$3.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%

Scale Beams—
Scale Beams, List Jan. 12, '93..50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....₩ doz., $4.00, 10%
Box, 2 Handle....₩ doz., $6.00, 10%
Defiance Box & Ship....20&10%
Foot....50&10@60%
Ship Common....₩ doz., $3.50 net
Ship, R. I. Tool Co....10%

Screens—
Phillips:
Bonanza Screens....60%
Perforation Screens....6 %
Extension....50&10&5%
Flyer....10&10%
Window Screen Frames....10&5%

Screen Doors—
Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30&35%
Standard Oil....35&40%

Screw Drivers—
C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....5&2&5%
Disston's Pat. Excelsior....5&2&5%
Buck Bros....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....₩ doz., 70@90c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12. 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....37½%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ₩ doz....90c } 50%
Beauty, ₩ doz....$1.00 }
Wm. Johnson's:
13 A....70 & 10%
135½ Extra....70%
134 Ebonized Handle....70%
1-1½....75%
142 Ebonized Handle....70%

Screws—
WOOD SCREWS—List, July 1, '95.
Bright Flat Head Iron....81½%
Br't and Oval Head Iron. 2½ & 5%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....87½%
Round Head Brass....82½ & 5%
Flat Head Bronze....82½ & 5%
Round and Oval Head Bronze, 80 & 5%
Phosphor Bronze, Flat Head....80%
Phosphor Bronze, Round Head..55%
Flat Head Copper....60%
Round Head Copper....60
Rogers Drive Screws....87½%

MACHINE—
Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%

BENCH, HAND, ETC.—
Bench, Iron....70%
Bench, Wood, Beech. ₩ doz $3.00@3.25
Hand, Wood....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....50&5%
Bed....30&35%
Hand Rail, Sargent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....5 & 10%
Jack Screws, Millers Falls, without Roller Bearing....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%

Scroll Saws—
C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw Blades....35%

Scythes—
Grain....40&5@40&10%
Grass....40&10%

Seeders—
Enterprise Raisin....25%

Shears—
Ætna, Steel Japanned....30&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Barnard's Lamp Trimmers. ₩ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60%
Japanned....70%
Pruning. See Pruning Hooks and Shears.
Campbell Cutlery Co.'s, Jap....75%
Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Hatfield Sheaves....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s....60&10&
Sargent's list....60&10%
Reading list....60&10&10%

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Sizes, at factory....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ lb 7½c
Perkins Improved Snow....₩ lb 4c
MULE—
Add $1 ₩ keg to above prices.
OX, WROUGHT—
Ton lots....₩ lb 9c
1000 lb lots....₩ lb 9½c
500 lb lots....₩ lb 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c....30%
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods. 20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....30@30&7½%
Hussey, Binns & Co....15@25%
Snow, Loug Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan., 1886....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%

Shovels and Tongs—
Iron Head....65@65&5%
Brass Head....65@65&5%

Sifters, Flour—
Hunters....₩ doz. $2.00

Slaw Cutters—
Enterprise....25%

Slicers—
Enterprise Vegetable....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert Mfg. Co....45%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps

Spoke Shaves—
Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....30%
Millers Falls....25%
Wm. Johnson's:
Wood, 1st....37½%
Wood, 2nd Quality....37½%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks. 50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co...40 &15&10&10
L. Boardman & Son....50&12½%
MISCELLANEOUS—
German Silver....50@50&5%
German Silver, Hall & Elton...50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron....
Nickel-Plated.... } 80%
Try Square and T Bevels 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....35&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....30@35%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....30&35&10%
Extra Heavy....30%
Hooks and Staples....30&35&10%
Extra Heavy....30%
Hasps and Staples....30&35&10%
Extra Heavy....30%
Staples on Plates....30&35&10%
Wagon Bow Staples....30&35&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk...75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....30&10%
Norway Iron Clinch....30&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods....35%
Butterfield's Goods....35%
Lightning Screw Plate....20@35%
Reece's New Screw Plates....35%
Reversible Ratchet....30%
Gardner....35%
Wells Bros. & Co....35%
Schlenker's Die Bolt Cutter....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American....66⅔%
Steel....66⅔%
Swedes, S. S....66⅔%
Swedes, Lanc....66⅔%
Leathered....8 1½%
American Cut Tacks....62½%
Swedes Iron Tacks:
S. S....62½%
Lanc....67½
Upholsterers' Tacks:
S. S....66⅔%
Lanc....62½%
Gimp Tacks:
S. S....66⅔%
Lanc....6 ½%
Lace Tacks:
S. S....6 ½%
Lanc....57½%
Trimmers' Tacks:
S. S....5 %
Lanc....50%
Looking Glass Tacks....33⅓%
Picture Frame Points....33⅓%
Basket Tacks....62½%
Berry Box Tacks....62½%

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Trunk Tacks:
S. S.....66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S.....66⅔%
Lanc.....62½%
Brush Tacks and Nails:
S. S.....55%
Lanc.....5%
Hungarian Nails.....57½%
Common and Patent Brads....50%
Finishing Nails.....57½%
Trunk and Stout Nails.....57½%
Basket Nails.....50%
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894.
Extra 3 ½&2% cash.
F. H. Cobbler Nails:
4 to 8in., and shorter, ₩ 100 ℔ $20.60
⅝ in. and longer, ₩ 100 ℔.... $18.85
Tacks, Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No 18 & 19. 17 & heavier.
2 8x2½-8 in. $60 0 $41.20
3-8x⅝ 8 in. 51.50 38.15
4-8x longer, 4 20 33.45
MISCELLANEOUS—
Double Point.....85&10@85&10&10%
Wire Carpet Nails.60&10@60x10&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₩ box $1.40
Claw Hammer Carpet.....₩ gr $ .00
Home Tacks No. 50, ₩ case (12 cartons), $6.00; No. 100, ₩ case (12 cartons), $ 2.00. 10 & 2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5 & 2%.
Paris and Tilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&.33⅓&2%
Miniature Rug Tacks..66⅔&33⅓&2%
Upholsterers' Nails.....5 & 10%

Tack Pullers—
Columbia, No. 1, per doz., net.....$1
" " 2, " " ..1.50

Tape—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—
Harrington & King Perforating Co: IC 14x20, 112 Sheets in Box

Numbers.	Per Box.	Per Doz.
1	₩ 45	$1 5
2	$3 90	$1 55
3	$3.35	$1 35
4	$ .80	$1 30
5	$ .25	$1.20
5½	$ .25	$ .0
6	$2.95	$1 15
7	$2 85	$1.10
8	$2.70	$ 05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897..70&10@70&10&10%

Trammel Points—
Cook's.....25%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.
F. E. Myers & Bro.:
Rev. Car, Double Steel Track $3 50
Comb. Car., Double Steel T...3.50
Sing e rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3.75
Comb., Car., Wood Track....3 25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, steel or Wood Track, (includes four sling hooks).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft..... .00
Single rail Steel Track with clamps, ₩ ft..... .00
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1 75
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz.....$1.65
Steel Frame Pully with Iron Sheave, Fig. 435, ₩ doz.... $1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz.. .....$2 25
Floor Pulley, Wood Sheave, Fig. 436, ₩ doz.....$2.00
Floor Hooks, ¾ in ₩ doz..... .65
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz..... .45
Malleable Rafter Brackets, ₩ doz ..... .45
Rope Hitch ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 80@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 20%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza.....₩ gr $10.00
Mouse, Ideal..... ₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 15$
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat, ₩ gross $30.00.....50%
Household.....₩ gr $10.00
Erie Rat.....50%
FLY—
Balloon.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
Solid Box.....60&10%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Action.....20@25%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....30@35%
Simpson's Adjustable.....40%
Moore's.....30%
Little Giant Bench.....25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15.00....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises...40&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.63½%
Tinned Broom Wire.....5½c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted.....30&10%
Picture Wire.....New list 30&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.45
Galvanized Wire Netting.....30&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'".....50&10&5%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Saillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....80&10%
Cylinder Gas Pipe.....45&5%
No. 8 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....80%
Always Ready.....30@35%
Champion Carriage.....40%
Donovue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....30%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$34.00
No. 30 Erie, 11 inch	27.00
No. 55, King, 11 inch	33 25
No. 45, King, 10x1¾ inch	25.00
No. 65, King, 11x2 in h	32.00
No. 2 " " 10 inch	15.50
No. 2, Zenith, 10 in h	16.50
No 3. Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40. Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99 Pittsburg, 11x2 inch	31 00
No. 33, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	32.00

Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches.... 21.00
No. 11 Rolls, 11x1¾ inches.... 25.00
No. 12 Rolls, 12x1¾ inches.... 29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 57c
Linseed City, Boiled, " ₩ gal. 60
Out of Town or Spot..... ₩ gal. 56c
Calcutta, Raw, in bbls....₩ gal. 56c
Lard.....1¼@6 85

Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$23 00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ ℔ 5 @5½c
White Lead, American, in Oil, ₩ ℔.....5 @5½c
White Lead, English, in Oil, ₩ ℔ 5½@7 c
Litharge, American Powdered, ₩ ℔..... ....4½@4¾c
Litharge, English Flake, ₩ ℔ 8½@9 c
Litharge, Glassmakers', ₩ ℔ 5½@6 c
Zinc, American, Extra Dry, ₩ ℔ 8½@11½c

Putty—
Putty in Bulk.....$1.45@$1.75
Putty in Bladders.....$1.65@$ 00
Putty in Tins.....$2.00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal.....33c

Colors in Oil—
Black Coach Japan ₩ ℔..18½@20 c
Black Coach Japan in Oil..... ₩ ℔ 12 @13 c
Black Drop ..... ₩ ℔ 7½@10 c
Black Lampblack, prime, ₩ ℔ 27½@23 c
Black Lampblack, medium..... ₩ ℔ 15 @2) c
Black Lampblack, 2d quality..... ₩ ℔ 13 @19
Black, Lampblack, 1 w grade ..... ₩ ℔ 6½@10 c
Blue, Chinese..... ₩ ℔ 35 @40 c
Blue, Prussian ..... ₩ ℔ 2 @ 0 c
Blue, Ultramarine..₩ ℔ 13 @16 c
Brown, Sienna burt ₩ ℔ 7 @10 c
Brown, Sienna, raw, ₩ ℔ 7 @10 c
Brown, Umber, burt ₩ ℔ 7 @10 c
Brown, Umber, raw, ₩ ℔ 7 @10 c
Brown, Vandyke....₩ ℔ 7 @11 c
Green, Chrome..... ₩ ℔ 8 @14 c
Green, Paris..... ₩ ℔ 16 @1 ½c
Red, Indian ..... ₩ ℔ 12 @15 c
Red, Venetian..... ₩ ℔ 4½@ 8 c
Yellow, Chrome..... ₩ ℔ 13 @18 c
Yellow, Ocher, French ₩ ℔ 4½ c

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18 GAUGE STEEL.

All Defects in other Dampers removed in this one.

TIME TESTED.

ONE HOLE IN PIPE.

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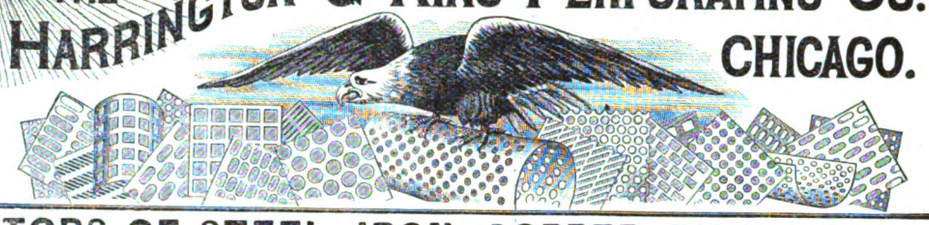
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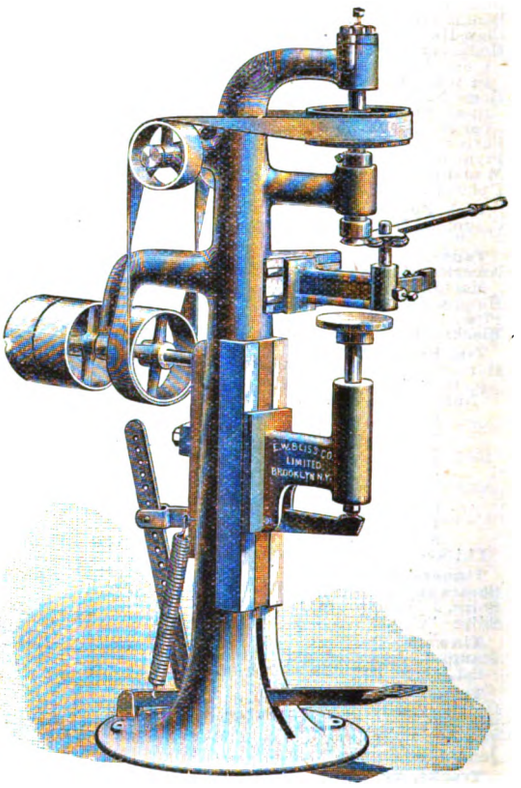
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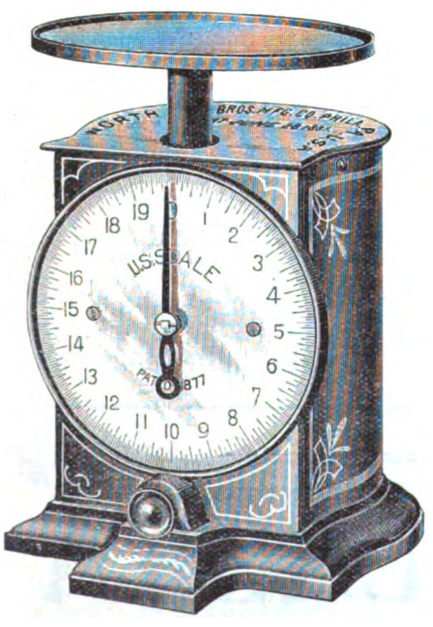
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John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
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W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
American Lead Pencil Co., New York
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Planes.
Samuel L. Goodall Co., Philadelphia
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

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Scranton & Co., New Haven, Conn.

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E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

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Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Bellevue Pump Co., Bellevue, Ia.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

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Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Wilmot Castle & Co., Rochester, N. Y.

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C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

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Ashtabula Tool Co., Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
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P. J. Conroy & Co., Philadelphia.

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Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

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Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York
Saml. Winslow Mfg. Co., Worcester, Mass.

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Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

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Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

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Enterprise Mfg. Co., Philadelphia.

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Samson Cordage Works, Boston.
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John Chatillon & Sons, New York

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Gwinner Mfg. Co., Hamilton, O.

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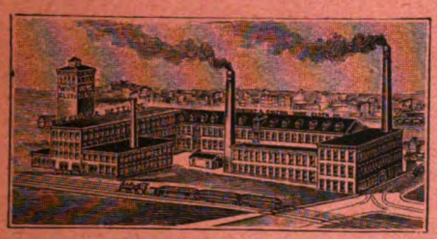
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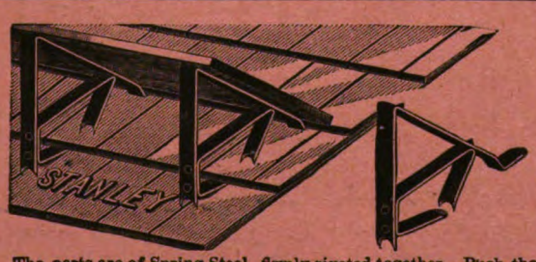
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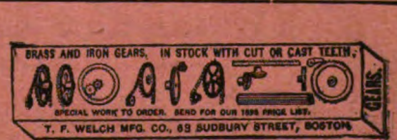
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Tensile strength one-half greater than that of any other nail made.

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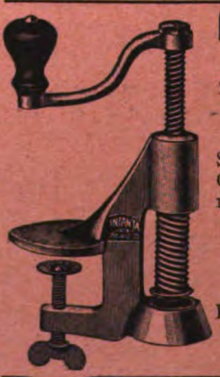


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FAC-SIMILE OF AUSABLE BOX AND BRAND.



Genuine Ausable Nails are packed in boxes bearing their FULL NAME and Trade Mark.

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THE INFANTA CORK PULLER
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Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XI. No. 11. New York, September 10, 1895. $1.00 A YEAR.



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IN USE BY
EIGHT LEADING GOVERNMENTS.

Magnolia Metal Co.,
OWNERS AND SOLE MANUFACTURERS,
74 Cortlandt Street, New York.

CORNELL UNIVERSITY.
ITHACA, N. Y., August 10, 1895.

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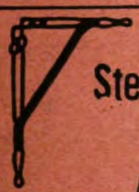
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OF

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ORANGE EXTRA
SPORTING POWDER.
See top page 3.

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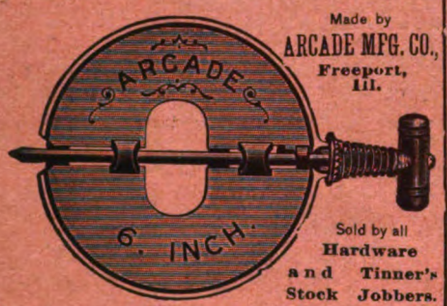
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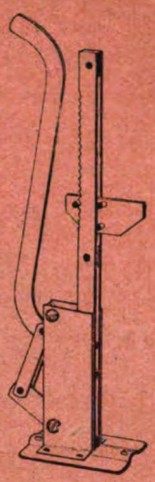
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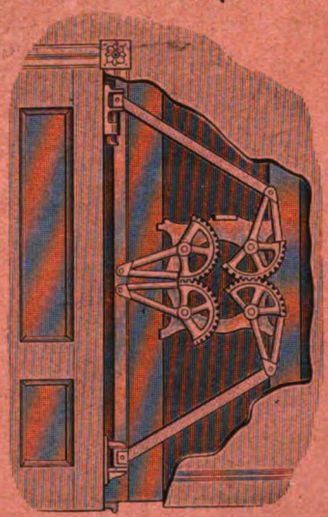


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Operated by powerful compound levers.
No. 1, to lift 900 lbs.
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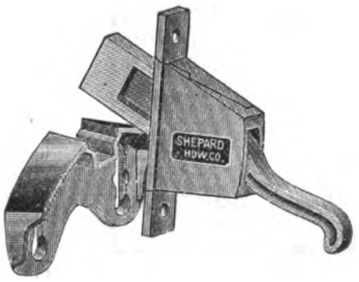
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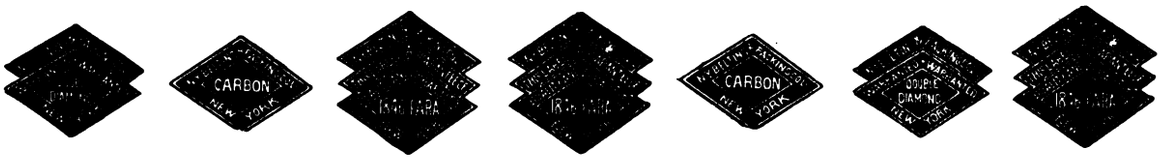
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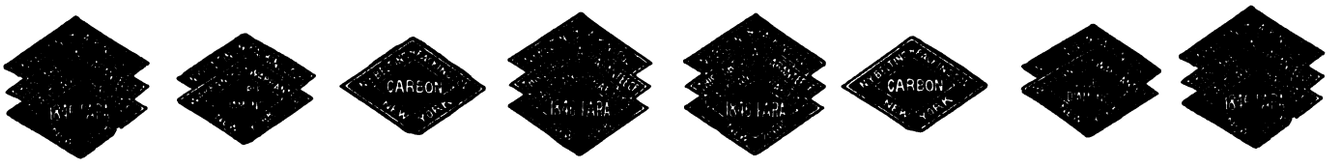
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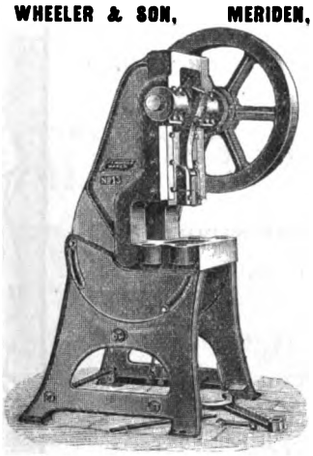
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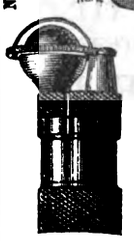
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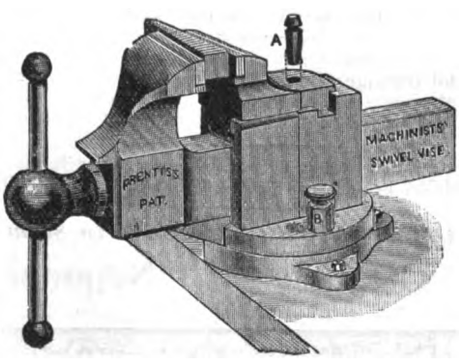
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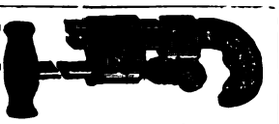


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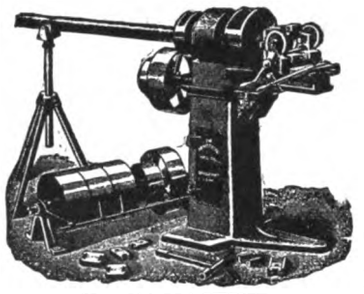
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Sample by mail 75 cents. Illustrated circular and price list sent on application.
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Prices of these styles are the same as for Regular Heads of the same size.

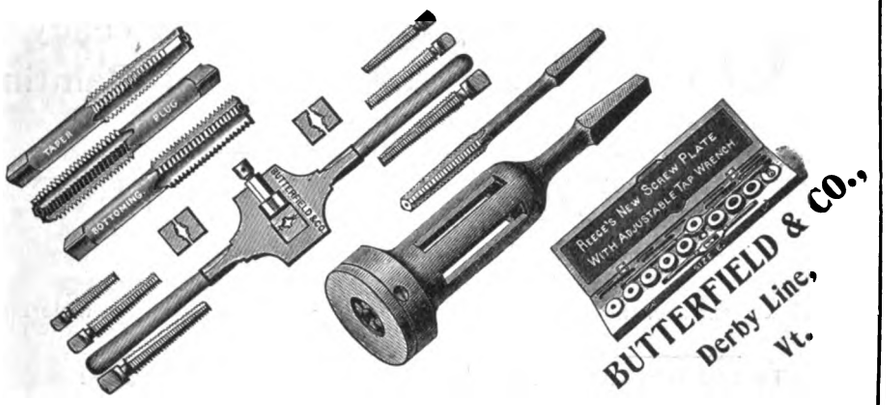
The **only** Horseshoe nails in the world made precisely the same as the old-fashioned, hand process, being exclusively **Hot Forged and Hammer-Pointed.** This **hammering** (not pressing, rolling or shearing) while the metal is at welding heat blends all the particles into a compact, firm nail that outwears all others and will **Never Split, Sliver or Break.** *They are not sheared but have smooth edges clear to the point.*

The attempts of other manufacturers, in their advertising, to identify their product with the Putnam Nail leads us to state that the PUTNAM NAIL is made SOLELY by us in the ONLY RATIONAL WAY a GOOD horsenail can be produced.

Nickel-plated Mascot Ring for 10 Cents in Stamps or Silver.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

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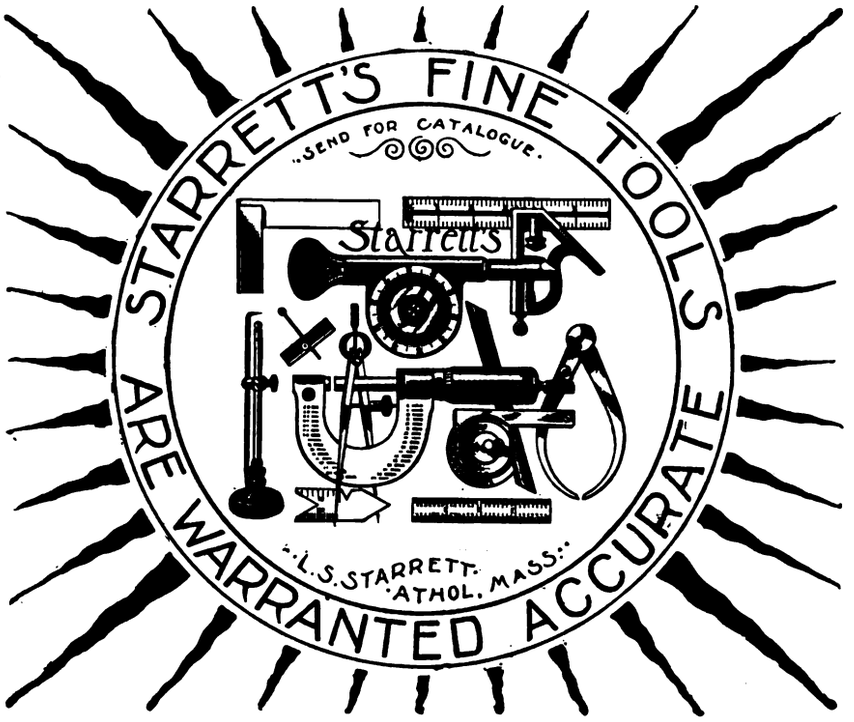
THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

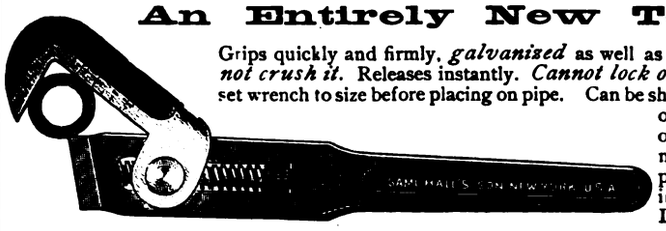
Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Earle's Hotel) NEW YORK.



HALL'S IMPROVED PIPE WRENCH.

An Entirely New Tool.



Grips quickly and firmly, *galvanized* as well as other pipe, *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

GET OUR LITTLE BOOK. FREE.

SAMUEL HALL'S SON, 229 WEST TENTH STREET, NEW YORK.

WIRE & IRON WORK.



FENCING, OFFICE RAILINGS, WINDOW GUARDS, STABLE FIXTURES, ETC.

GRAVE GUARD.

RESERVOIR VASES.

IT WILL PAY YOU TO HANDLE THEM.

LAWN FURNITURE, FOUNTAINS. STATUARY.

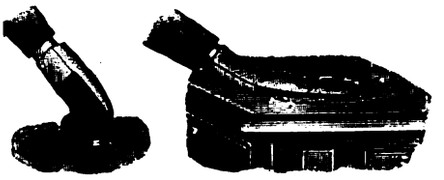
ROOF CRESTING.

ILLUSTRATED CATALOGUE FREE.

E. T. BARNUM,

DETROIT, MICH. RESERVOIR VASE

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.

Manufrs. of Useful Adv. Mediums.

You can rely on the quality of the Goods we make only the Best.



Sand Papers IN Sheets and Rolls — Flint Paper, Garnet Paper, Emery Paper, Emery Cloth

M. A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co

700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
102 LAKE STREET, CHICAGO.

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BLACKBOARDS

Are now ready for Painting,

AND THERE IS BUT ONE ARTICLE WITH WHICH TO PRODUCE A SATISFACTORY RESULT, AND THAT IS

THE LAWRENCE BLACKBOARD SLATING.

This slating will not glaze, scale or blister when properly applied. The great fault with other liquid slatings is that they produce either too smooth or too rough a surface. **The Lawrence Slating** avoids both faults and produces a slightly rough yet black surface, that can easily be written on, which takes up but little chalk, and from which erasures are easily made.

CIRCULARS AND PRICE LISTS ON APPLICATION TO THE MANUFACTURERS.

W. W. LAWRENCE & CO., - Pittsburgh and Buffalo.

NEW ENGLAND AGENTS, Carpenter-Morton Co., Boston. WESTERN AGENTS, Thos. Kane & Co., Chicago.

WE ARE SOLE MANUFACTURERS OF THE CELEBRATED BRANDS

Western Red End,
Quinnebog,
Blue Bank,
Diamond,
Berea,
Star.

Send for Catalogue C. 2, illustrating many other well-known brands of SCYTHE STONES also MOUNTED GRINDSTONES, &c.

THE CLEVELAND STONE CO.,
Hickox Building. **Cleveland, O.**

SPRINGS—RIVETS.

Specialties in

SHEET METAL WORK,
CLOCK and INDICATOR POINTERS.
CLARK & COWLES, Plainville, Ct.

TIME

WILL

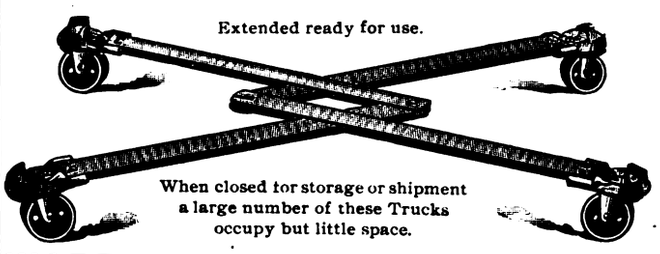
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

Steel Lock Frame Stove Trucks.



Extended ready for use.

When closed for storage or shipment a large number of these Trucks occupy but little space.

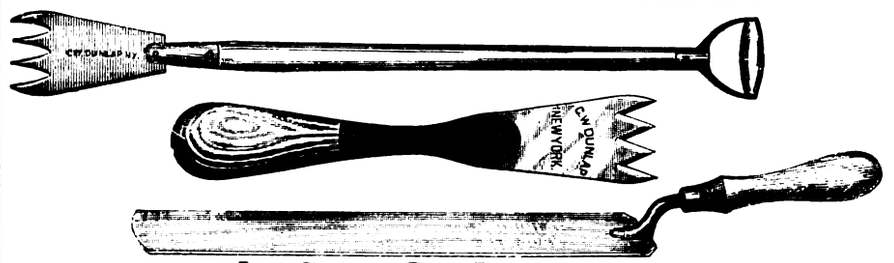
Price, $15.00 per dozen.

Fit any size stove. No nuts, bolts or thumb screws. No bars to cut off.

Send for Circular.

WARD & GILMORE, Manufacturers, **Le Roy, N. Y.**

DUNLAP'S SUPERIOR ICE TOOLS



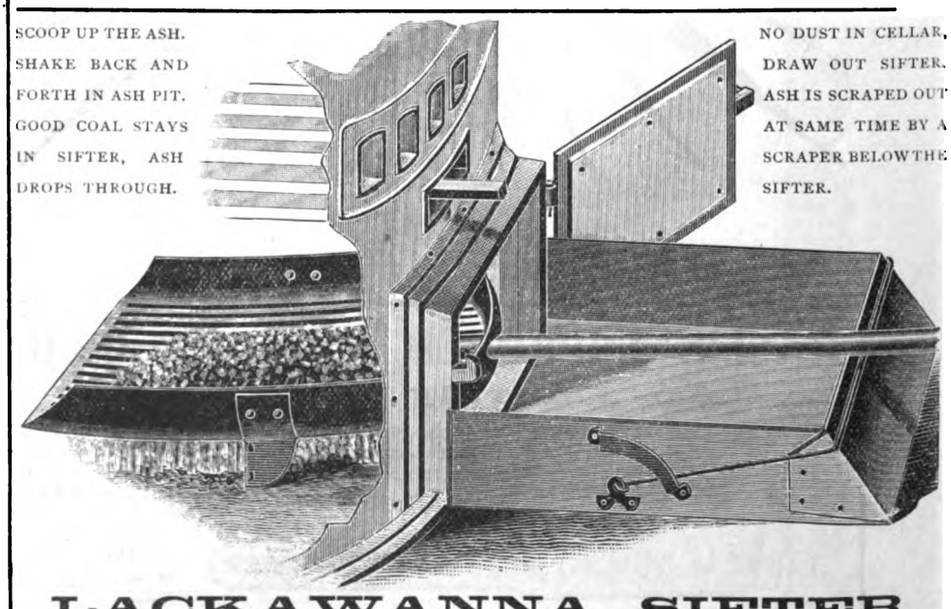
Ice Cream Can Scraper.

Blades made of Crucible Cast Steel, carefully hardened and tempered. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.

SCOOP UP THE ASH. SHAKE BACK AND FORTH IN ASH PIT. GOOD COAL STAYS IN SIFTER, ASH DROPS THROUGH.

NO DUST IN CELLAR, DRAW OUT SIFTER. ASH IS SCRAPED OUT AT SAME TIME BY A SCRAPER BELOW THE SIFTER.



LACKAWANNA SIFTER

For Furnaces only. Is a scoop with slots, also a scraper beneath to bring out ash into a pan which we also make. No dust. All sifting is done in the ash pit. Write us.

THE LACKAWANNA SIFTER CO., **Cleveland, Ohio.**

Agents:

BIGELOW & DOWSE CO., BOSTON, MASS. LAWRENCE & LOCK, NEW YORK CITY.
G. W. VANTINE & SON, PHILADELPHIA, PA.

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CLIMAX WATCH



FOR

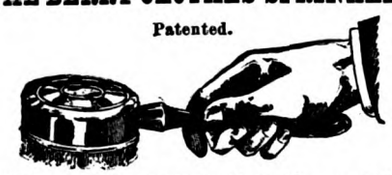
$2.00

American
Lantern
Pinion
Stem Wind
¼ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

THE BERRY CLOTHES SPRINKLER
Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McParlin

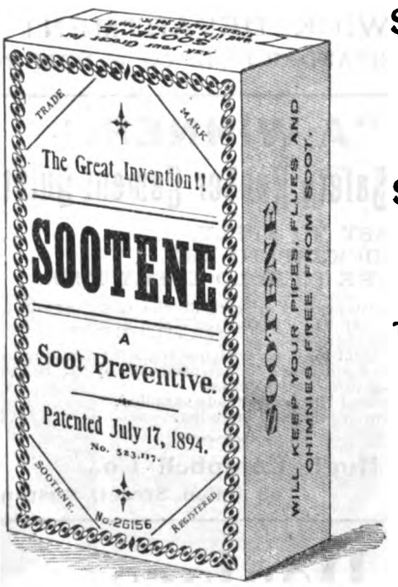
THE NATIONAL SAW CO.

GENERAL OFFICE.... **NEWARK, N. J.**

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists



SOOTENE

Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

SOOTENE

Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

THE SOOTENE CO.,
80 Broad St, N. Y. City.

GENERAL SALES AGENTS FOR
UNITED STATES
AND EXPORT.
Patentee and Manufacturer,
R. GIVENS,
Corpus Christi, Tex.

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

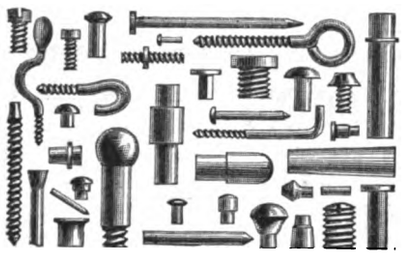
Manufacturers of

Padlocks,
Cycle
Locks,
Toe Clips,
Dog Leads,
Automatic
Machinery.



Sash and
Cable Chains,
Sash Pulleys,
Drill Chucks,
Shears and
Sheet Metal
Novelties.

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Iron & Brass Rivets,

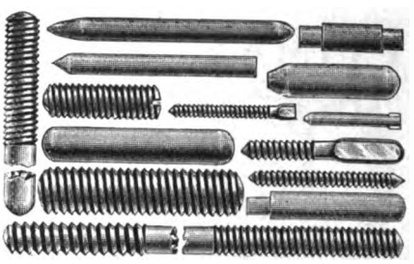
STUDS, PINS, SCREWS,

&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,

WATERBURY, CONN.



American Lead Pencil Co., 429 Broome Street, New York. 110 Cheapside, London, England.



113. "CARBON" PENCIL.

TO obviate that tired feeling and dull pain in the fingers, which invariably accompany the use of the ordinary black lead pencil whenever too much pressure is brought to bear or it is used any length of time, and at the same time to produce an article that is very smooth, very black and very firm, thus adapting it for all kinds of work where a fine, smooth, black and legible mark is required, this pencil cannot be too highly commended. For writing on soft paper it surpasses anything heretofore produced; and for sketching, draughting and heavy shading it is indispensable.

Dozen mailed on receipt of 50 cents. Samples, Catalogue, Information upon Application. Address

American Lead Pencil Co., 429 Broome Street, New York.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

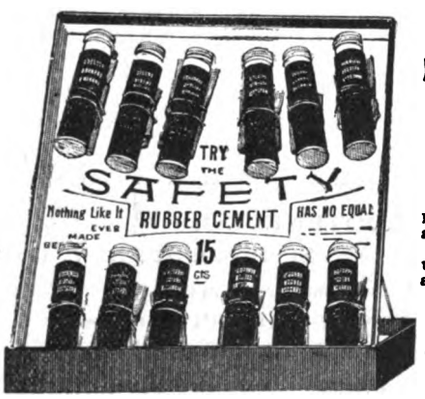
AMERICAN WICK

Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.



"A WINNER."

The Safety Rubber Cement Outfit.

EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.

The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of 15 cents.

Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

Hardware Dealers

Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.

P. S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST. N.Y.

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."



Guaranteed

Best Anti-Friction Metal for all machinery bearings. For high speed and heavy crushing weight it has no equal. It is used on bearings where no other metal will stand.

THEO. HIERTZ & SON, Sole Manufacturers, Montrose and Park Ave., St. Louis, Mo.

Manufacturers of all grades Babbitt Metals, Solder, Bar Tin, Bar Lead, Lead Car Seals, etc.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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THE ORIGINAL IS THE BEST.
ROYAL CENTRAL DRAFT LAMP.

This Lamp has no Superior in the known world.

Gives the Largest Light for Wick Exposure of any Lamp made.



ROYAL LAMP.—No. 1013.

Chimney Lift and Wick Raising Device the best and easiest of adjustment. There are many imitations of these improvements, but the **ROYAL** is still the best.

The Royal Chimney. Lift will stay in position while lighting the lamp without support from the hands. This no other lift device will do.

The Wick Raising Device of the Royal Lamp is unquestionably the best, and has the approval of our largest competitors by their practical adoption of it.

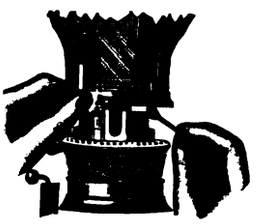
The Wick can be adjusted more accurately and more easily than by any other device.

Workmanship, Style and Finish are unsurpassed. Made in all finishes of Stand, Table and Banquet Lamp. No better lamp for the dealer to handle.

The Plume & Atwood M'f'g Co.

29 Murray St., New York 199 Lake St, Chicago, Ill.

The



B & H
LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, **Fenders, Andirons, Fire Sets, Etc.**

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

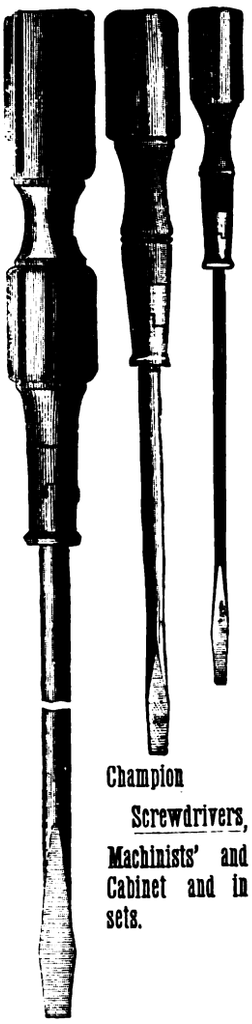
NEW YORK, 26 Park Place. **BOSTON,** 160 Congress St. **PHILADELPHIA,** Room 710, Betz Bldg. **CHICAGO,** 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

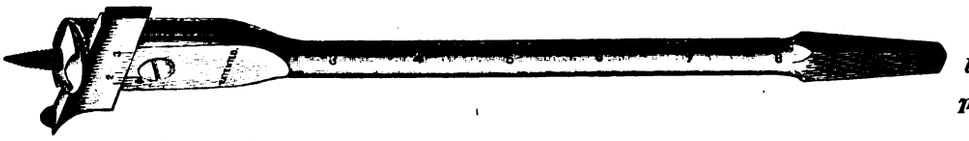


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Carpenters and Machinists' Tools.

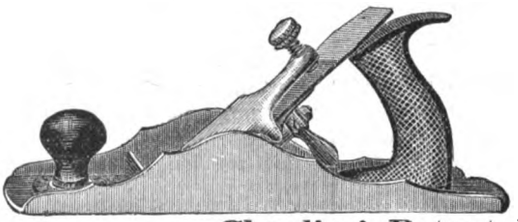


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

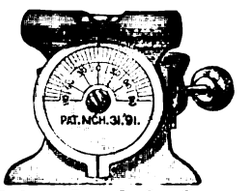
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





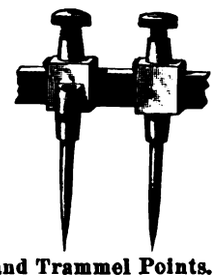
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



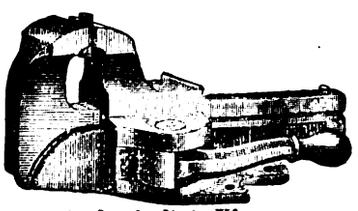


Plumb Bobs and Trammel Points.

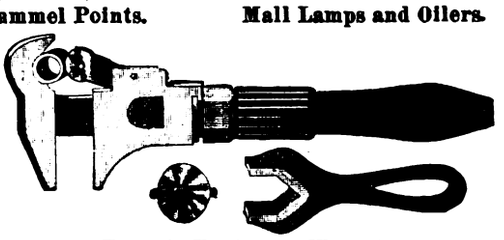




Mall Lamps and Oilers.



Stephen's Pat. Vises.



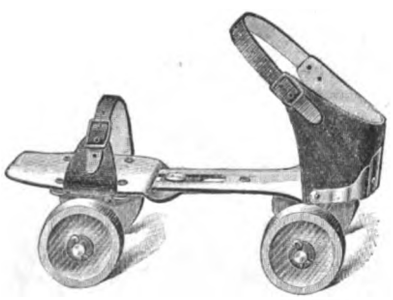
Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



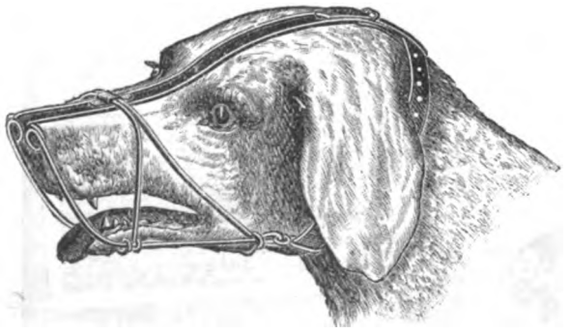
EXTENSION ROLLER SKATES.



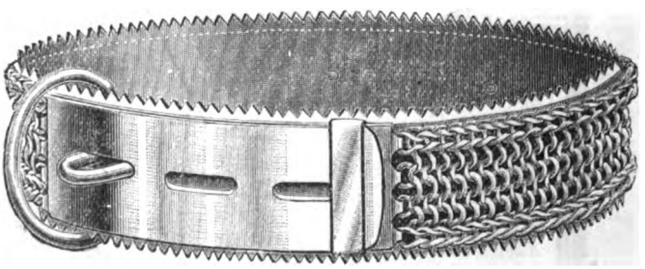
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

UNION HARDWARE CO.,

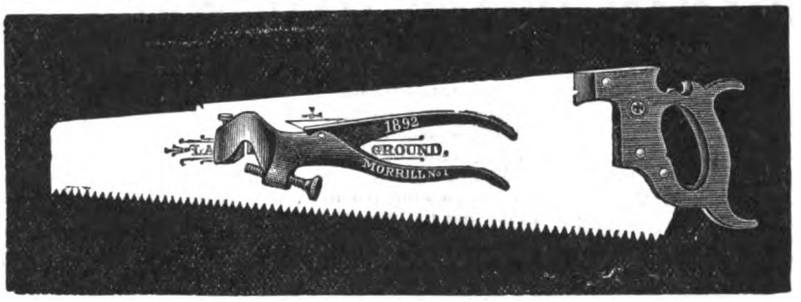
95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

New York Office in charge of TOWER & LYON.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles,
Write for Catalogue and Prices.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch. 15 inch. 18 inch. 22 inch.
$2.25 $3.00 $3.50 $5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	⅜—1¼	1¼—2	2 —3
Roundiron	¼—¾	⅜—1	¾—1⅛	1⅛—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *out diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

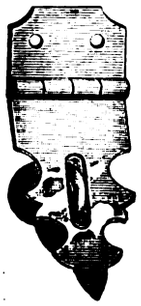
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AMERICAN SAW CO. Trenton, N.J.



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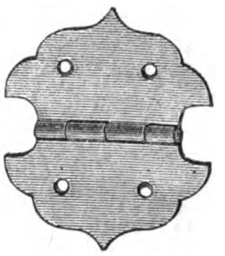
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Door Pulls, Shutter Bars, Drawer Pulls, Corner Plates, Hook Sash Lifts, Mirror Plates, Flush Sash Lifts, Plate Escutcheons, Cabinet Escutcheons, Fire Screen Hinges.

Moulding Hooks, Fancy Box Hinges, Refrigerator Hinges, Fancy Cabinet Hinges, Box and Chest Corners, Brass and Zinc Washers, Floor and Ceiling Plates, Water Closet Seat Hinges.

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Dealers in the United States & Canada sell Houchin's Specialties.

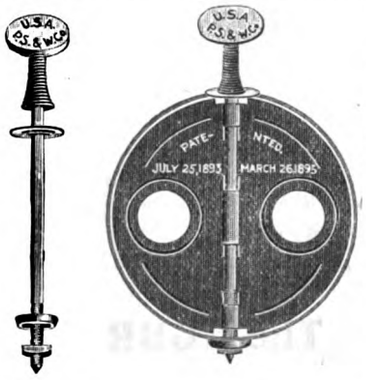
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Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

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Absolutely safe. Indestructible. Wrought Iron and Steel. No breakage, no loss. **SOLID STEEL SHAFT,** sharp pointed, passing through solid wood handle. Always cool. Easily inserted. Corrugated and will not warp. The cheapest and the best. **YOU CANNOT BE UP WITH THE TIMES** if you do not have the U. S. A. Damper. For sale by all **DEALERS EVERYWHERE.**

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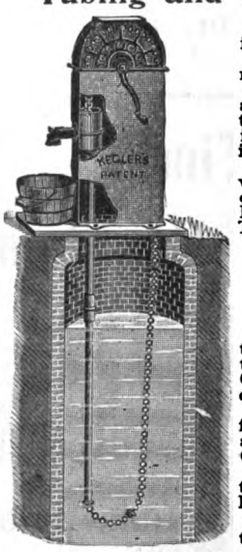
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Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT
Galvanized Iron
Tubing and Curb



No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.
More Durability.
Less Weight.
Tubing is 12 times lighter than wet wood.
Can be attached to any curb.
The only satisfactory Tubing and Curb for Chainpumps.
Send for illustrated Catalogue.
Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

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Registered March 31, 1874.
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Patented July 8, 1884.



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☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

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GREATEST IMPROVEMENT OF THE AGE.

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PROVIDENCE, R. I.

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For Jewelers,
Watchmakers,
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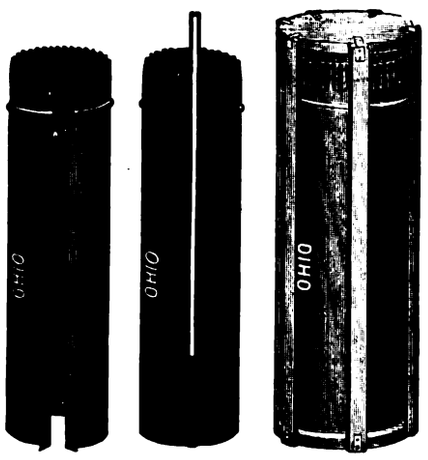
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

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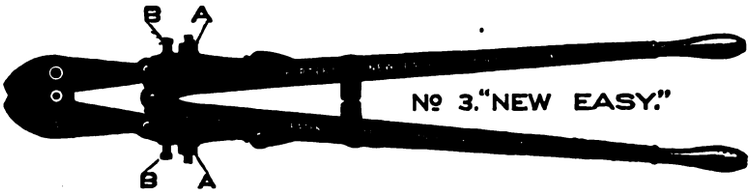
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

OVER 35,000 SOLD.

Can be sold by all Hardware dealers.

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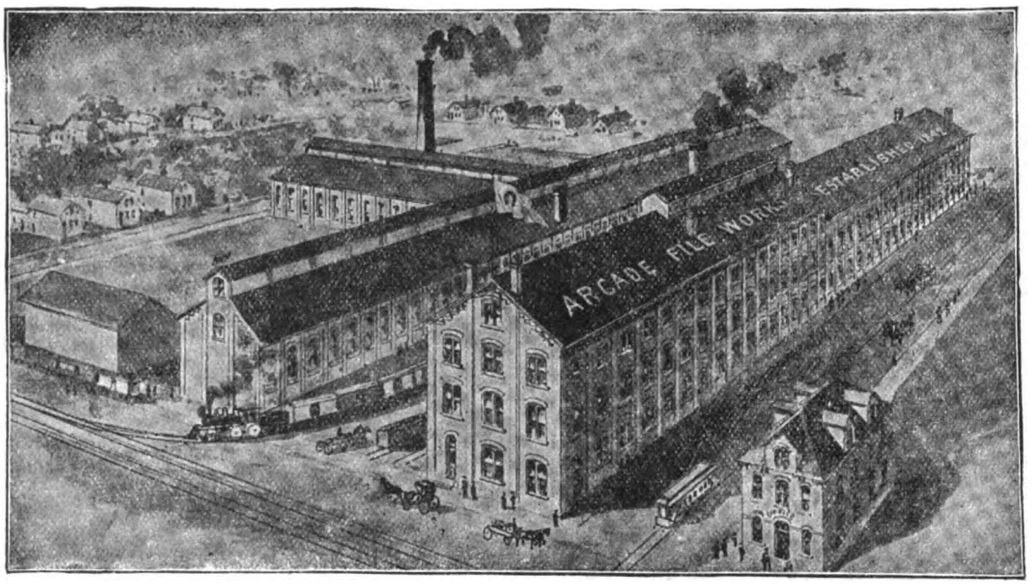
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

Eastern Office and Warehouse, 83 READE STREET, · NEW YORK CITY.



Western Office and Warehouse, 23 LAKE STREET, · CHICAGO, ILL.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the Improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.

Revolution in Washing Machines.



Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

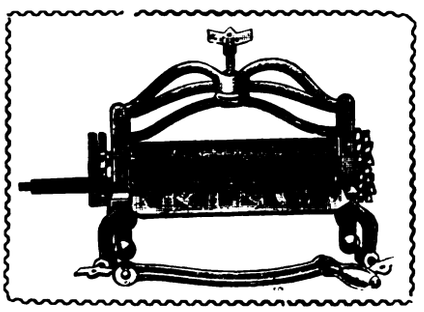
The Champion Washing Machine Co.,

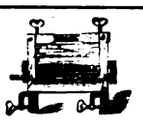
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HIGH GRADE, WARRANTED.





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Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.

STANDARD FIBER-WARE COMPANY. STANDARD TRADE MARK. MANKATO, MINN.

WE PAY THE FREIGHT.

Instead of trying to crowd our goods upon an unwilling market the past two years, we have been working for better processes—to make **better goods for less money,** and now "we have got there with both feet." Our **pails are larger** than other makes, yet **cost no more.** Made of **strong fiber, wound,** and **steel bound,** they don't split open, nor chip off at edges. They have a **chime** you can **catch on** to, and a truss bottom that don't warp, loosen or leak.

All "Standard" Pails, Slop Jars, Spittoons, Wash Basins, etc., are **water-proofed** and **indurated throughout** by our newly applied process, and are **absolutely unsoakable.**

An **Ebony enamel,** hard and smooth, gives "Standard" ware an **attractive** appearance, and a **durable** finish. **Scores of families** in every county will use it largely if it can be got "at the store." **Do you want their trade?** Lots of 100 lbs. or more, delivered f. o. b. cars, at their depot, to all responsible dealers.

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Great Western Files.

Important Announcement.

The Plant of the Great Western File Co., at Beaver Falls, Pa., formerly known as the Western File Works, is now operated and controlled by the

Nicholson File Co.,

Providence, R. I.,

who already own and operate three distinct plants in Rhode Island. Since obtaining control of this property important changes have been made in the arrangement of buildings. Numerous machines added of the latest and most modern type, so that the Plant in its entirety is now, with the exception of the Nicholson, at Providence, the largest and best equipped file works in the world. The product will be strictly first quality and known as the Great Western Brand.

Main Office and Address:

Nicholson File Co.,
Providence, R. I., U. S. A.

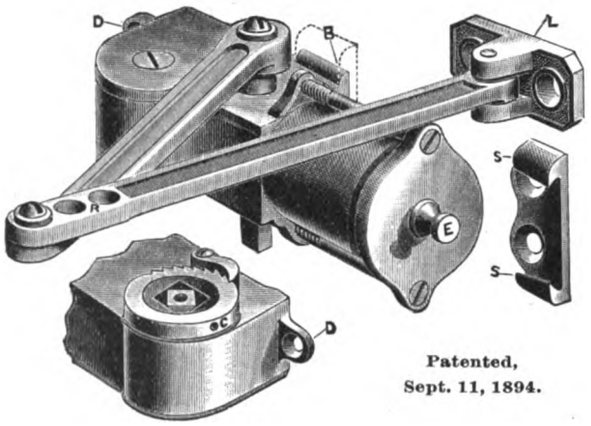
Operating four distinct plants:

Nicholson--- Providence, R. I.
R. I. -- Providence, R. I.
Great Western--- Beaver Falls, Pa.
American--- Pawtucket, R. I.

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THE ROYAL DOOR CHECK AND SPRING.

The Latest, Cheapest, Best.



Patented, Sept. 11, 1894.

Simple, Compact, Strong, Durable.

The ***Royal*** has a ***compressed air check.*** No liquids to freeze up or leak. Doors open easily. No back suction. Easiest attachment. Does not require a skilled mechanic to put them on. Improved ratchet for increasing tension on spring. Will fit right or left-hand doors.

PRICE LIST:

	BRONZED.
No. 1, for Light Screen Doors	each, $2.40
No. 2, for Medium Inside Doors	" 3 30
No. 3, for Large Inside or Small Store Doors	" 4 30
No. 4, for Large Store or Vestibule Doors	" 5.80
No. 5, for Extra Large Doors	" 7.00

Packed One Dozen in a Case. Write for Trade Discounts

DIRECTIONS.

Place the shoe (S) in an upright position on the door, about six inches from back and flush with the top; *fasten securely;* slide the check into the shoe until the lugs (B) fit solid, then put in the end-screw (D). Bring arm (L) down to the transom-rail till it rests firmly, then put in the screws and the spring is ready for adjustment.

HOW TO ADJUST IT.

The thumb-screw (E) regulates the air check. A very slight turn changes the result. If the door slams, tighten it up. If it checks too soon, loosen it. It should check about three inches from the closing. If the spring is weak, increase the tension by turning up the ratchet-wheel (C) one cog. Care should be taken that the spring is not made too strong. If the spring swings the door easily, it is strong enough. Regulate the closing by the screw (E). In case that the transom-rail has a raised moulding, shorten the arm (R) by changing it into the next hole. Also, in putting the arm on the pintle, see that it is *securely fastened* and *rigid.* The checks are reversible for right or left-hand doors by simply changing the arms from one side of the pintle to the other. Follow the above directions, and the spring will give good satisfaction.

W. H. QUINN & CO.,

General Agents. 108 Chambers St., New York.

ESTABLISHED 1827 E. S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

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WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

JOBBERS who do not become acquainted with Winslow's Ice Skates in **1895** will regret it.

THE SAML. WINSLOW SKATE MFG. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

RETAILERS cannot afford to buy a stock of Ice Skates for **1896** before they have seen and considered

WINSLOW'S SKATES.

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HARDWARE

VOL. XI. SEPTEMBER 10, 1895. NO. 11.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY.
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES DEVOTED
EXCLUSIVELY TO THE HARDWARE TRADE.

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The Sportsmen's Exposition of 1896.

We publish at some length elsewhere, a report of the discussion which occurred at the meeting of the Sportsmen's Association some days since, where the question as to a continuance of the Expositions so successfully inaugurated last year, was under consideration. The gentlemen who so ably and successfully inaugurated and carried out that first great event were present, and each one candidly stated his opinion, and the general decision seemed to be that it would be a great mistake for the manufacturers and sellers of sporting goods, to forego the fine opportunity afforded by these expositions, for the display and illustration of their goods. The opinion was quite emphatically expressed that in direct benefits to exhibitors, the results were not such as to warrant an expensive display; but, on the other hand, it was generally agreed that in indirect benefits, the trade was fully justified in going to the labor and expense which the Exposition involves. This seems to us to have been a wise decision. Certainly there never was any line of manufacture which made a better or more artistic showing in its first attempt, than that seen in the Sportsmen's Exposition at the Madison Square Garden last year. The great majority of exhibitors who were present will be on hand the coming year with larger and more attractive displays; while many who hesitated about taking space in 1895, have already promised to be present in 1896. We have no hesitation in expressing the opinion that the Exposition of the coming year will in all essentials be a great improvement over the one in 1895, and that in one great respect—that of the attendance of the general public—there will be a marked improvement. For the credit and the good of the trade in general, we sincerely hope that there will be no question as to the holding of an Exposition at an early period in 1896.

Uncle Sam and His Neighbors.

There may have been a time when one nation could plod upon its way, with little concern as to what was going on outside its borders, but if so, it passed away before the day of the railroad, the steamship, the telegraph, and the necessity of being first in foreign markets. There can hardly be a move made in any quarter of the globe, that does not have its influence upon interests far remote. It is a wonderful education for any narrow-minded man, to take the daily newspaper for a teacher, and study the changing panorama of events going on in the world at large. The overshadowing Asiatic question has by no means been answered by the military humiliation of China. In the higher meaning of statesmanship, it has been only fairly opened; and from henceforth, the great powers of the world will endeavor to keep both China and Japan within bounds,—with especial reference to the preservation and extension of European trade.

The partition of Turkey, and the expulsion of the Turk from Europe, are but a natural consequence of the history that has been made in the last half century; the main question being whether England, Russia, France and Germany can so divide up the effects of the Sick Man as to warrant them in working together for his banishment across to Asia. Spain is straining her credit and resources to the utmost, to retain Cuba in subjection; Russia and England are warily watching each other across the borders of India; all the great nations are clamoring for a larger slice of Africa than has yet fallen to their share; the republics of Central America are agitating the question of a federation among themselves,—and a general Latin-American combination for trade purposes may be the eventual outcome.

There are wars and rumors of wars. The wars are confined to small contests, now that Chinaman and Jap have put up their swords, and are discussing the question of dollars; the rumors are large enough, but nations, like men, are in little danger of blows while talking about them. Crops, finances, reforms, emigrations, are as ever the subject of discussion the world over: the prophets of evil are still declaring, also as ever, that things generally are on the road to eternal smash.

In all this international hubbub, the American nation seems to be quietly holding its own; and if any one is getting his share in the gifts and favors of fortune, that individual is Uncle Sam. He is in good health at home; he takes second place to nobody abroad. His farms are doing well this year; his factories are humming; his stores are having all they can do; his finances are in good shape; his law makers are happily at home, and not engaged in law-making; he is attending

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to business just now, rather than diplomacy abroad, or politics at home. All this ought to keep him from grumbling or envy, and give him a fit mind for true thanksgiving and gratitude.

The talk about the political influence of the bicycle clubs is probably largely uncalled for. But the personal influence of the wheelmen will certainly be felt in many quarters for good roads; and perhaps that influence may reach into politics so far as this one great public question is concerned.

The File Works Resume.

The Great Western File Works plant, in this place, resumed operations Monday in full in all departments, giving employment to about 350 men, women and boys. The greater part of the employees worked in the factory when it closed down three years ago and are thoroughly conversant with all parts of the business, and only a few of them are new men. When the whistle blew this morning, which placed the plant in operation again, it appeared like a great family reunion inside the factory. Many of the former employees had left town, but returned on learning that the plant was to resume. Numerous repairs have been made both inside and outside the factory during the past three weeks, which not only makes it much more pleasant for the workmen, but also greatly facilitates the work. The company has plenty of orders, and the factory will undoubtedly run steadily.—*New Brighton, Pa., News.*

A Pennsylvanian has recently invented a new lawn mower. The knives are driven by crank and pitman connection with the ground wheels, the driving mechanism being located entirely within the outer face of the frame, and there being no projections to collect the cut grass. The axle carrying the ground wheels is journaled in depressions of the side or cheek pieces of the frame, the wheels being cupped on their outer faces. The wheels are loosely mounted and ratchet wheels on the axle adjacent to the hubs are adapted for engagement by a dog on each wheel, the dogs turning the axle when the mower is pushed ahead and slipping over the ratchets when the mower is drawn backward, the cutting mechanism being then inoperative. In each of the side pieces is a horizontal depression or well having near its centre an opening. The shaft of the cutter is journaled in the inner walls of the wells, and on the shaft are spiders which carry the spiral cutting knives, extending from the inner face of one side piece to the inner face of the other side piece, the knives being thus protected from obstacles at the sides of the machine and adapted to cut a swath of nearly its full width.

A new electrolytic method, of great use to plumbers, is the joining of metal to earthenware. The earthenware should have an unglazed surface, but if otherwise the glaze is removed and the surface is coated with plumbago and placed in an electrolytic bath, thus obtaining a metallic coating. To this coating the lead pipe can be soldered in the ordinary way by means of a plumber's "wiped" joint. This process, it is said, will probably supersede the use of rubber sleeves, washers and putty, with which imperfect joints have often been associated.

The Hardwaremen of Duluth, Minn., some evenings since gave a farewell banquet at the Hotel St. Louis to Eldert Lott, who has been buyer for the Marshall-Wells Hardware Co., and leaves that concern to become the manager for the Great Western Mfg. Co. at Kansas City. Speeches were made by T. McNaught, Doctor Harris, John Meining, John Munro and Alex. Stevenson. H. S. Eaton presented Mr. Lott on behalf of those who were present with a gold-headed cane.

In Memory of William H. Williams.

The following resolutions in regard to the death of William H. Williams were adopted at a meeting of the directors of the Van Wagoner & Williams Hardware Co., at Cleveland, Ohio, on August 30th:

Whereas, In consequence of the death of William H. Williams, vice-president of the Van Wagoner & Williams Hardware Co. and one of the founders of the business, we, the directors of said company, at a special meeting held at Cleveland, August 30, 1895, desire to add our tribute of respect to his memory and express our sympathy with his family; therefore, be it

Resolved, That we deplore the death of William H. Williams and most heartily express our appreciation of his ability, fine character and attractive manners and also our gratification at the high regard in which he was held by the Hardware trade, his fellow citizens and so large a circle of friends; and be it further

Resolved, That we desire to express to his family the sympathy we feel for them in their sorrow and for the great loss which they have sustained; and therefore be it further

Resolved, That the resolutions be entered upon the records of this company and a copy transmitted to his family and the trade journals.

The following letter carries its own explanation:

PHILADELPHIA, August 17, 1895.

Mr. J. Leonard Varick, Secretary New York Hardware Club.

Dear Sir: Permit me to sympathize with the New York Hardware Club in the loss of their able president, Mr. William H. Williams.

Mr. Williams was well known by all his friends as a man of the highest integrity, of great ability, conscientious and self-sacrificing.

I well remember his kind words to me in Cleveland at the time I was honored with the presidency of the National Hardware Association, when I expressed to him the fear that other duties might prevent my giving that attention that the position would require. His reply was: "Mr. Supplee, there are certain duties we owe to our friends and the trade which we cannot consistently ignore, and I feel that you are placed in that position now."

Permit me, therefore, to sympathize in the name of the National Hardware Association of the United States, of the Philadelphia Hardware Merchants' & Manufacturers' Association, the Supplee Hardware Co. and personally, being quite aware that time alone can overcome the sorrow and regret which must follow the loss of one so prominent, beloved and esteemed a gentleman as was Mr. Williams.

Believe me with kindest regards,

Yours very truly,

WILLIAM W. SUPPLEE.

A dispatch from Salem, Va., states that the Camden Iron Works of that place have been awarded the contract by one of the largest wholesale Hardware houses in the United States for the manufacture of two thousand dozen iron shoe lasts and stands. "This is the largest contract of its kind ever placed by any one concern, and some idea of its extent will be gathered from the fact that in filling it one hundred tons of pig iron will be consumed and several months required to complete the contract. Additional force will be put to work in the foundry and the Camden works will be a very busy place now."

Dr. David T. Day, Chief of the Department of Mines, is busy preparing the statistical column of minerals at the Cotton States and International Exposition. He says of it: "You can see just how much coal is mined in Alabama in a minute, how much granite is quarried in Georgia in the same time. So with the rest of the minerals. I believe it will be better than the column exhibited at Chicago. There the output for one second was shown, here it will be for a minute. The column will be thirty-four feet high."

The Kelley nail mill, Ironton, Ohio, has resumed work. The local chronicler adds the pleasing information that "now everything in Ironton is in operation."

HARDWARE costs only One Dollar a year.

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A Hustler From Chicago.

We had a call the other day from a man whose card showed that he was representing one of the very large companies of New York; one owning factories in several States, and doing the largest business in its line in the country, if not in the world. I saw that his headquarters were in Chicago, and something led our talk to the way business was done there, when he announced to me that he had formerly been in trade there in Hardware specialties.

"I started in business there in 1889," he said, "with just $20 in my pocket, and I failed in 1893 for $15,000."

He looked at me after telling this as if he were waiting for applause; but he did not see that he observed that I was interested, so he went on:

"Yes, sir, I had $20 in my pocket when I started for myself. I had been clerking for a firm at $40 per month, but the man who was my friend died and the surviving partner did not like me, so I had to walk. I had just $20. I determined to go into business for myself. I rented part of an office, had some letter-heads, cards and bill-heads struck off, and then I called on the agent of an eastern lock company. I knew him pretty well. I told him that I wanted a nice line of samples, and then he was to imagine that I was the biggest buyer on earth and consequently entitled to the very lowest discount he dared quote. He fixed me out with samples, gave me a big discount, and I started off to interview the retail Hardware trade of Chicago.

"You bet, I didn't talk 3/0 padlocks! Not much! I showed goods with flat, steel keys, and the best price I quoted anyone was 70 off, but to most of them I sold at 60 or 65 off. I took orders that day for $400 worth of locks. I agreed to deliver all the goods at their stores and made arrangements with a local express company to do this for me, letting the carrier collect charges at each store. I supposed my customers would deduct these from the bill when they came to settle, but, do you know, not a single one remembered to do this and I was quite a sum ahead on that.

"I had no trouble in getting samples of other goods and finally I began to carry some stock. Then I had to get a larger office, and finally moved into a good sized storeroom. I was selling lots of goods and doing splendidly when in 1893, one concern got acting mean, a table cutlery concern, and sued me, and then I went under. My debts were $15,000, but that table cutlery factory didn't get one cent of their claim, and they had to pay their lawyer's bill besides."

I looked at him with increased wonder. I was very much interested in the story. I had forgotten how easy it was for anyone to get goods on credit who happened to have a printed business card.

"What were you able to pay?" I asked.

"Well, those that had treated me white I paid, but the others didn't get one cent."

"Then you must have made some money out of the deal!" I said.

"Oh, yes; I made something. I am a hustler, and I'm bound to make things go. I can make business, and I'd have made a big thing out of that if the Yankee concern had let me alone."

"Why didn't you pay their bill, then they would have let you alone?"

"I would have paid them if they had kept still, but they sued me and they didn't get a cent, and what's more, they never will. Those that treated me decent, got their pay."

"Do you mean that you paid them in full?"

"N-o—not exactly; I paid them 35 per cent. of their accounts; they treated me well, so I paid them that; but the others got nothing."

He said this as if he was a model of commercial uprightness and generosity, and his face shone with self approbation. He was the most unique specimen of a salesman and ex-merchant that I had ever seen and I hardly knew whether I should be amused or exasperated at his cheek. But my approval was evidently taken for granted and he continued:

"Yes, sir; I am a hustler. Not many men can start with $20 and in four years fail for $15,000." And he smiled all over his face. "I'm coming around here regularly and hope next time to do some business with you. Well; good bye; I'm pleased to have met you."

He took his departure as smilingly as if he had booked a good order. I turned to a man who had been working near us, and heard the story, asking him what he thought of it. "I don't know what to think of it," he said, "but I guess it is somewhere near true. They can do such things in Chicago, because, as a class, the Chicago merchant has an excellent name. This little Napoleon put on their livery and was given credit on the strength of their reputation. He really thinks he has done something creditable to fail for $15,000! I wonder what opinion he would have had of himself if he had succeeded in business?"

I had no answer to that ready.

Wm. H. Maher

Why Are They So Named?

EDITOR HARDWARE: I was very much pleased with the interest taken in your inquiry, "Why is a Crowbar called a Crowbar?" and submit herewith a few names of articles so common to our trade, and hope some of your readers will answer why these names are applied to the articles:

Spike. Tack. Saw. Brad. Razor. Sledge. Axle.

Also the following inquiries:

When a buyer declared that he "Paid cash right on the *nail*, and thereby *nailed* a great bargain," what kind of a *nail* did he refer to?

What is meant by a Door Nail, and the expression "Dead as a door nail?"

Hoping to create a little interest in the derivation of Hardware terms, I am Yours sincerely,

Davenport, Iowa, September, 1895. J. R. NUTTING.

The Keystone Lock Works, E. T. Fraim, Lancaster, Pa., announce under date of September 2nd, that hereafter the following locks will be known by the number specified only: No. 1304, No. 1333 (old No. 303), No. 303 (old No. 411). They add: "The trade will observe our well-known and exceedingly popular No. 411 will hereafter be known as, and labeled 303, and sold at No. 303 prices. The full size, weight, design and quality will be maintained. All above locks are made of solid real aluminum bronze. Spring shackle. Self-locking. Highly polished. Two keys each. From this date all former prices, discounts and terms on our entire line are withdrawn. Special prices quoted on application."

Alfred Field & Co., No. 93 Chambers Street, New York, make an announcement upon page 45 of this issue that will be of especial interest to all who use or sell guns. A detailed description of their line of Double Barrel Muzzle Loading Guns is there given, and the statement made that illustrated catalogue and prices, or sample, will be sent upon application. Dealers will find that any representation made by Alfred Field & Co. can be implicitly relied upon.

Vincent P. Travers, treasurer of the Travers Bros. Co., with headquarters at No. 107 Duane Street, New York, has been appointed president of the new Cordage Co. now being organized under direction of the court. He has also been appointed general manager for the receiver of the old Cordage Co. Mr. Travers is admirably fitted in all respects for these important positions of trust, and his selection will be hailed as a good omen by all interested

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Revival Topics from the Buckeye State.

EDITOR HARDWARE: The iron industry, Cleveland's commercial barometer, if not that of the entire country, is steadily picking up. There are now but few plants inoperative, and most are running a full complement. Scores are working night and day, with many months' business ahead and unable to even fill pressing orders. The two years inactivity has depleted even the stocks of staples and the supply seems not equal to the demands by mills, foundries and other manufacturing establishments. Prices are well maintained and encouraging and wages are going up from 5 to 25 per cent. all along the line. Even the smaller manufacturing places, whose usefulness seemed to have been outgrown during the calamity times, have resumed new life and proportions. Only last summer every trunk line freight train running through the State was loaded down with idle workmen, generally characterized as hoboes. You don't see them now. Every skilled workman is being drawn into the tide of reviving activity; in fact there is work for every willing and able-bodied man, or will be if the labor market is not too much crowded. The far West, almost depopulated during the panic-stricken times, is getting its emigrants back as fast as the trains can carry them. Everybody out there is looking up and stirring excepting the crop liar who died an ignominious death.

All of the wholesalers at Cleveland are preparing for an unprecedented autumn trade despite the fact that the giant Competition is stalking about. They are getting in their lines as fast as they can, or as the manufacturer can furnish them. The local wire and wire nail mills, shut down during their busiest season through a strike, are now running night and day in order to retrieve their annual prestige of turning out more product than any two cities in the world. The bolt and nut works, carriage Hardware factories, vapor stove and sewing machine concerns, in all of which branches Cleveland leads, are very busy and behind in orders.

The bicycle industry throughout the State is especially growing, despite certain disadvantages. Cleveland has now several cycle factors, and the plants are steadily adding to their outputs, for the wheel traffic of Ohio is now as consequential as that of any other great State. Toledo and several smaller towns in northern and central Ohio take an important aggregate interest in Ohio bicycle manufacture. Cincinnati, of course, keeps up her corner of the State in truly representative manner. What she can't accomplish in the manufacture she does in the distribution of cycle makes.

Carriage Hardware is one of the most important features of the Ohio market. Cleveland takes the lead in manufacture and is therefore a great distributor. The Ohio consumption alone would self-sustain many of the large concerns, for the carriage and buggy industry of Ohio is very large and comprehensive.

There is a great building revival and engineering improvements are being taken up or completed throughout the State. This condition calls for an improvement in the tool and implement trade, and those departments are actually doing splendidly. Up-to-date architecture calls for large quantities of structural iron and steel, many parts of which, to meet the growing demand, are now carried by large dealers. It seems as if the supply of structural iron does not nearly cover all the demands, for many buildings are delayed on this very account.

Shipbuilding, especially at Cleveland, is extremely active. The two large concerns are filled up with contracts calling for up-to-date craft, and the impetus received by the Hardware trade from this quarter is by no means inconsequential.

The paint industry shows much life and many works are busy indeed. Cleveland, which furnishes more red paint than any other city in the world, is, of course, the world's criterion in this line. When we consider the languid state of the paint branches during '93-'94 it goes without saying that Cleveland's factors are much gratified over the returned activity.

The "new" telephone industry, for such it is since the Bell syndicate is no longer feared, is assuming remarkable dimensions in Ohio. Before another two years almost every hamlet in Ohio will have telephone facilities, and the accessories or appurtenances thereto are of such common demand that they receive Hardwaremen's earnest attention.

Such a big electrical manufacturing centre as Cleveland seems to leave not much room for the Hardwareman's exploitation, and yet there are many staples and novelties which our dealers carry to advantage, especially as regards outward trade. In some of the interior towns one finds at the Hardwareman's electrical goods departments quite often, and as the electrical industry expands with every year so will the scope of the Hardware dealer.

The bad times for the industrial factors in the cities were worse for most of our country dealers, particularly those who expect a certain amount of business in agricultural implements. The farmer catches the calamity fever quicker than his city constituents of iron nerves. Even if his crops are good and he gets his prices he will fight shy of new investments as long as the reports from the cities are not over sanguine. Now it has been said that the May frosts have done millions of damages, but the matter is not half so bad. Not even our cunningly modern farmer can cover up the fertile tracks of nature. His poor cry will hold no longer good, and the country Hardwareman has already found that out. The farmer not only pays his old notes, but invests for additional improvements. While the agricultural situation is not exactly roseate it is well enough to help push along the new tokens of prosperity.

With the healthy private building boom and the varied improvements undertaken by every live municipality the plumbing lines are doing exceptionally well, and this department needs the Hardwareman's best attention, despite the extraneous competition. The modern is getting more and more fastidious when he comes to build a home, and builders of modern apartment houses, well aware of this whimsicality or whatever we may term it, pays zealous attention to the plumbing specifications, and the public propagation of modern hygiene only more stimulates the needs, odds and commodities in this line.

There are many new things extant, creating and to be created, useful and ornamental, profit-bringing and trade-getting, which the country dealer could handle to advantage. The traveling man is doing his best to further all interests in the novelty lines, but time is precious and he can not always do justice to all. Every Hardware dealer reading up on Hardware matters as they happen periodically must be aware of all these new things, providing he reads a journal of HARDWARE'S calibre. To be without such a medium to-day is a crime against one's own best interests. I have heard country dealers remark: "Well, I keep one or two farmers' papers for the use of my customers, and they have 'purty near' all that's going on." Now it is easy to convince all of these people that they have been asleep; that the world did not move within or without the sphere of the farmer's journal. The latter, if good, it is well to keep, but no Hardware man, be he "price-listed" and "catalogued" from all over the territory, can and will get along without a representative Hardware journal, if he once knows it. J. B. RINDFLEISCH.

Cleveland, September, 1895.

The strike at the H. P. nail works, Cleveland, Ohio, which had been in progress ten weeks, has been settled, the wire drawers accepting the advance of 10 and 15 per cent. in wages and the nail makers an advance of 5 per cent. Five hundred men resumed work.

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THE SPORTSMEN'S ASSOCIATION.

A special general meeting of the above association, called pursuant to notice, was held at the office of the Winchester Repeating Arms Co., No. 312 Broadway, New York city, on Tuesday, August 27, 1895, at 2:30 P. M. There were present president Charles Tatham, secretary F. S. Webster, treasurer J. A. H. Dressel; J. H. Studer, C. F. Wiebusch, Alfred Chasseaud, W. W. Hart, Chas. Daly, J. Von Lengerke, H. C. Palmer, P. G. Sanford, F. W. Sanger, J. Burnham and Jacob Pentz.

The report of the treasurer was read by J. A. H. Dressel. F. S. Webster moved that the financial report be accepted, and placed on file. This was carried.

Mr. Webster, as secretary, stated that he had no report to make, as the treasurer's financial report covered the secretarial report. The only remark he desired to make was with reference to work entailed by the Exposition. Everyone seemed entirely satisfied with the Exposition; there were something like sixty-nine exhibitors, all of whom had expressed themselves as pleased with the exhibition, and hoped that they would be represented at another Exposition.

The chairman said that the object of the meeting was to receive the financial report of the Exposition, and to take what steps might be necessary towards holding another Exposition, if it was so desired. He would be pleased to hear the opinion of those present. Mr. Dressel moved that another exposition be held in the early part of 1896, as may be decided upon, and that a committee be appointed to fix the date. This was seconded by Mr. Hart.

Mr. Studer thought that it would be advisable to appoint a committee to see what arrangements could be made with exhibitors before deciding upon an Exposition. The chairman ruled that they first decide whether or not they should have an Exposition.

Chas. Daly said that the Exposition was not sufficiently remunerative to exhibitors to justify them in having another.

The chairman stated that his firm had not received back the amount they had expended in the Exposition, and he did not think they had saved anything in advertising. However, their business was different to anyone else's, and if there was to be an Exposition they would go into it.

Commodore Sanford on behalf of the Winchester Repeating Arms Co. said that if there was to be an exhibition his firm would exhibit with a larger space than last year. The chairman asked Mr. Sanford if he was in favor of an Exposition or not, to which Mr. Sanford replied in the affirmative, and that he would go with the rest. The chairman said that an Exposition meant an expenditure of thousands of dollars, and he thought the matter ought not to be gone into without mature consideration. He was of the opinion that the benefit to exhibitors was indirect.

Commodore Sanford did not believe that anyone could see direct results from the show, or say that they had made money by it. The chairman said that it was a question of increasing business. So far as a simple advertisement of a firm is concerned, he believed that it might be a good thing, and if one wanted to increase the interest in one's business it might be of service.

Mr. Webster thought that the chairman had touched upon a very vital point. They were all agreed that no one exhibitor could trace any immediate benefit from the Exposition itself. It had been held for the purpose of increasing the love of sports; that the manufacturers might get together to show what is being done for the benefit of the sportsman, and it was more in that direction than in any other that the Exposition had been held. No one could say but what the World's Fair had enlarged the field of the manufacturer, had spread trade to a certain extent, yet at the present time no manufacturer who was an exhibitor there could trace any direct benefit from that outlay. The Sportsmen's Exposition was started for the purpose of getting exhibitors together, and of keeping up the interest of sportsmen, and when it was looked at from that point of view you could not fail to see its importance. Many of the old exhibitors had expressed their willingness to exhibit again, and he had also received eight or ten letters from other companies, who were also in favor of another Exposition. He did not think the present meeting at all indicative of the feeling of the whole body of exhibitors, as he had not found one of them, but was in favor of another Exposition. Besides these there were at least a dozen others who had expressed a regret that they were not present at the last show.

Mr. Von Lengerke said that there was a general undercurrent of feeling that there should be another Exposition. In looking for data for comparison of the success of the last Exposition, he believed the only comparison that could be made was with the bicycle show. But the Sportsmen's Exposition was different even from that. He then minutely gave his reasons why the public should more heartily support a Sportsmen's Exposition than a bicycle show. The popularity of the latter was largely attributed to the fact that the manufacturers at the show made contracts for machines for the whole season with dealers. Whilst they could not do that with the Sportsmen's Exposition, yet there was so much more interest manifested in the latter that the attendance of the general public was, he believed, five to one over the bicycle show, and he was of the opinion that at the next Exposition this attendance would be even exceeded.

Mr. Sanger thought that the month of May was not altogether a suitable time to hold the Exposition. This year he thought it might be held in March with far greater advantage, so far as attendance was concerned. Mr. Palmer agreed with Mr. Sanger, and thought that the next show would go far towards increasing the public interest in the Exposition. Exhibitors now had a fair idea of what they would require at such a show, and he understood from many that they would have much better exhibits next year.

Mr. Sanger said that he had been informed that from twenty to thirty hunting parties had been made up during the show. His informant had told him that he had just returned from Maine, and the people there had told him that these parties were some of the direct results of the Exposition.

Mr. Palmer stated that he canvassed for the first show, and he had found that many of the most prominent manufacturers had come to him, and said how sorry they were that they could not get ready in time for the show. The former show gave them an illustration of what could be accomplished with plenty of time to prepare their exhibits, and there was no doubt that the last Exposition could be improved upon, and even if the same number of people attended as then did when they knew nothing at all of the nature of the Exposition, their success would be assured. Last year there was no organized press committee, and certainly the Exposition did not receive that support from the daily press that it deserved.

Mr. Chasseaud did not think they could judge of the success of an Exposition by the first. He did not think it had been properly advertised, and he never remembered having seen an exhibition that had ever had such a cold shoulder from the press. He thought that for the next ex-

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hibition the spaces and bill of expenses would be less and would show much better results. They would be able to rectify any mistakes which were made in the last show.

The chairman thought the motion should now be put to the meeting as to having another Exposition, and asking a committee to fix the date. He thought also it would be necessary to appoint another committee to see the exhibitors. Of course, if the committee who had charge of the matter should find that there were not enough people sufficiently interested to make it a success, they would have to report again to another meeting.

Mr. Studer offered as an amendment that an Exposition be held in March, 1896. Mr. Sanger thought that that would be the best time of the year to hold the meeting, and he could leave the week of the 16th of March open. The chairman asked if it was a question of just that week, and Mr. Sanger replied in the affirmative. Mr. Webster desired to mention that a great number of exhibitors were desirous that the Exposition should remain open longer than a week, and it would be well to get the ideas of exhibitors on that point.

Mr. Dressel thought the motion had better be put in the form he had first suggested that an Exposition be held in the early part of 1896, that a committee be appointed to consider the best thing to do, and report the facts to another meeting. The chairman thought it would be best first to make a motion to hold the Exposition, and have a committee to settle the time and place, and find out what exhibitors would be willing to come in. The committee could report to the trustees, who are the officers of the association, and then they could go ahead and take the necessary steps. The chairman then put to the meeting Mr. Dressel's motion that there be an Exposition in 1896, and it was carried. Mr. Daly voted no.

The chairman then put the motion that the chairman appoint a committee of three to decide the time to hold the Exposition, and to find out the best arrangements that can be made and report to the trustees. This was put to the meeting and carried.

The chairman appointed Mr. Dressel, Mr. Daly and Mr. Chasseaud as the committee.

Mr. Webster pointed out that no time was stated when the committee should report. He thought that a time should be fixed, as many exhibitors were anxious to know if there was to be an exhibition or not. He thought it highly advisable that they should report as expeditiously as possible.

The chairman decided to ask the committee to report by the 17th of September, and he adjourned the meeting until that date.

Yale & Towne on Cases and Cartage.

The Yale & Towne Mfg. Co. make the following statement in regard to "Charges for Cases and Cartage":

Our rule for many years has been to make no charge for cases or cartage in connection with the Yale locks and similar products of our works at Stamford. Since the Branford Lock Works passed into our possession, we have until now adhered to the practice previously obtaining of charging for cases for Branford goods.

Hereafter we will make no charge for cases or cartage on the locks and other Hardware products of either of our works at Stamford or Branford.

Respectfully,

August 28, 1895. THE YALE & TOWNE MFG. CO.

The Western File Works plant, at Beaver, Pa., after ten years of idleness, has been put in full operation again. This means another big supply of files for the calamitist organs to gnaw upon, but they have been upon that fare so many months that perhaps they rather like it.—*Freeport (Ill.), Democrat.*

New England Hardware Outing.

The Western New England Iron, Steel & Hardware Association enjoyed a very pleasant outing at the Seaside Outing Club House, Bridgeport, Conn., some days since. This was the regular monthly meeting of the association. It is the custom of the members to hold the meeting in different parts of the section to which they belong, instead of having them in one particular spot, and while the headquarters are in New Haven, there is not often a meeting there. This moving from place to place, gives the members a variety, and each member a chance to entertain the others and keep interest in the association alive. There are seventeen members in all, enrolled on the books as belonging to the association, and of these, thirteen were present in the Outing Club's house and at the entertainments which followed. Among the gentlemen present were the president of the association, L. L. Ensworth, Hartford; vice-president, S. S. Hunter, of Bridgeport; secretary, R. S. Woodruff, New Haven; treasurer, C. C. Lewis, Springfield; and the members of the association, among whom were Mr. Hoyt, of Hull & Co., Danbury; Mr. Foote, of Horrer, Foote & Co., Springfield; Mr. Russell, of Russell & Co., Holyoke; Mr. Tanner, of M. H. Tanner & Co., Winsted; Mr. Dickerman, of Winsted; Mr. Boland, of Waterbury; Mr. Chapman, of Bridgeport, and Samuel Dudley, of New London. After the meeting, which was called to order at 11 o'clock, the members dispersed and wandered about the grounds and along the broad walk near the water, until dinner was announced. Then they repaired to the club-house, and sat down to a meal which embraced every delicacy which the season affords.

In the afternoon the members embarked on the handsome launch of William E. Burnham, the *Hattie*, and enjoyed a sail on the Sound.

The Atlas Mfg Co.'s Improvements.

The Atlas Mfg. Co., sole manufacturers of Bradley Steel Shelf Brackets, Wire and Sheet Metal specialties, etc., New Haven, Conn., inform us that the continually increasing demand for their goods has forced them to provide much larger quarters, and about the 15th of September they will move into their new shop at No. 125 Water Street. This large shop has been fitted up with the best facilities for the economical production of the Bradley Steel Wire Shelf Bracket, Atlas Closet Hooks and other specialties. Nothing could so forcibly attest the great popularity of these goods, as the demand for them during the present year. This has been fully 100 per cent. greater each month in 1895 than ever before, and in some months has exceeded this gratifying figure. The trade can expect the same high standard in the finish and quality of the goods as heretofore and much more prompt shipments.

T. H. Cranston & Co., manufacturers agents, No. 60 Wabash Avenue, Chicago, Ill., represent the following concerns, as sole western agents: The Christy knife Co., the Sanson Cutlery Co., the Wyoming Shovel Works, Marion Tool Co., A. C. Rex & Co. and the Troy Nickel Works. The above consist of a full line of scalloped edge knives, table knives and forks, shovels and scoops, hammers and hatchets, house-furnishing goods, toy banks, stove pokers, lifters and curling irons.

Capt. J. A. H. Dressel, of the Union Metallic Cartridge Co., has been appointed inspector of rifle practice of the Thirteenth Regiment of infantry, National Guard of the State of New York, with rank of captain.

The city of Savannah has selected space in the Manufacturers' and Liberal Arts Building of the Cotton States and International Exposition.

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"Hop's" Corner.

Now, my young friend, if you have definitely made up your mind that you like the Hardware business well enough to make of it a life's vocation, let me have a word or two with you, so that you will not waste the best years of your life simply flirting with an elegant business, for which you may not have a single qualification to be of any use to you.

Are you fond of hard work? Sure? I know you say "Yes" when asked any such question, and you may think that its only asked "just for the fun of it." Well, this time it isn't. Unless you are fond of work, and plenty of it, let me beg of you to select some other business. In the Hardware business a man may eventually achieve success if he will metaphorically "take off his coat and roll up his sleeves," and tackle the labor which is always before him; but if he expects a short cut to the inner sanctorium of this complex trade, a royal road to the stores of various information to fully equip him, and make him a power in the business, he will come to grief as sure as twice two equal four. There is no royal road. Contact with the labor; a love to perform it; willingness to meet it half way; and the possession of a desire to even hunt for it, for fear somebody else may have it to do and not you—these are the pre-requisites for the formation of a character destined to make a record in the Hardware world.

This may be equally a desirable element of success in any business, but in the Hardware business it is a prime essential.

A young man to-day can go into any one of the training schools, formed by the jobbing and commission houses of these hustling times, and ride rough-shod over one-half the force there employed, if he is only possessed of the willingness and indefatigability connected with a love of work. One-half of the young men to-day in this important trade avoid doing anything they think someone else would do if they didn't; and one-half of the remainder attempt to do their palpable duty in such a half-hearted, slovenly manner, that some one higher in authority has to follow them up, and see if it is done at all. Don't be afraid to take a little trouble. You may save tenfold the amount of time all the way along the line, if you will only do your part of the work, in that perfect and systematic manner which carries a conviction of completeness. That which is worth doing at all, is surely worth doing well, and as an old quaint writer expresses it:

> "It isn't wealth, or rank, or state,
> But 'git up and git' that makes man great."

And this is a homely method of expressing a great truth. Its the "git up and git," the vitality, the push, vim, ambition, love of work for the sake of work, which forms a proper discipline, and which completes the characteristics of a successful man in any business, but more especially the Hardware.

Always keep busy, doing something or other continually. Don't say you can find nothing to do. That you have done everything you were told to do. Don't wait to be told about things which you know should be attended to by somebody. Why not by you? Suppose you are showing some samples to make a sale, and you find one or more so rusty and shopworn that you fail to impress the customer that the stock is any better. Are you one of those who would think it's too much trouble to get a new sample out of stock to disprove the supposition erroneously formed by the would-be customer; or do you put back the tough sample and pay no further attention to the matter? I tell you, young man, the ambitious junior who follows you and has sense enough to supply the deficiency, will reach you and pass you anon, while you are murmuring about unappreciated services that are counted by years and not by the mile stones of usefulness and indispensibility. I was brought up under a disciplinarian to whom a short piece of twine neglected on the store floor would create a shiver. I was taught to pick them up and tie them together, and add the stock so formed to what was already on the reel. We threw nothing away in those frugal days, everything possessed a value.

Many of the millionaires of to-day received this sort of an education, and knew that this careful consideration for trifles eventuated in the formation of a foundation of character on which to build business capacity, and without this important factor no man can achieve permanent success. Why, the American people of to-day are supporting in their midst whole nations of frugal foreigners who thrive on what we throw away as valueless. You may meet them daily on the thoroughfares, their bundles of wood on their heads; their baskets and bags of various kinds of truck upon their willing backs, while the American, whose ideas are wholesale and not retail, has no time for small detail. He wants greater results, and generally overestimates his limited business capacity and lands—nowhere!

Let me urge upon the rising young man in the Hardware business always to be an understudy for the position above him. Familiarize yourself with its duties; know all its requirements. The time will come, sometimes soon and often late, when the question will be asked: "Do you think you can fill the position?" If you know you can you will answer unhesitatingly, "Certainly!"

If I had my life to live over again I should devote some of the hours I wasted in useless desultory amusements to the acquisition of a working vocabulary of at least two or three languages besides my own.

Numbers of men possessing no other ability maybe to-day, are starving themselves to death with several languages at their tongue's end; but no young man possessing the requisite ambition to become a Hardwareman would ever find it disadvantageous to his advancement to be at least a linguist in a commercial sense, if his knowledge in continental tongues extended no further.

Don't roam around a store with your mouth and ears shut and be afraid to take in a grain or two of knowledge for fear it may extend your sphere of employment. Cultivate a gladness that exults in the opportunity of extending your usefulness. Try to absorb more positive knowledge than anyone else in the establishment. Be the reservoir of information to whom everybody has to come for quick returns. Let your heart rejoice to hear everyone echo the same sentiment, "Oh, ask Rutherford, he knows all about it."

When that's the case I'll tell you what Rutherford will become if he lives: An ornament to the business his character adorns.

"Hop."

At the suggestion of President Collier the executive committee of the Cotton States and International Exposition has voted to make September 21st Blue and Gray Day at the exposition. It is estimated that one hundred thousand veterans of the Union army will be at Chickamauga and Chattanooga on the 19th and 20th of September, and the majority of them will go to Atlanta on the 21st.

A corporation to be known as Rival Brass Co. has been organized at Portland, Me., for the purpose of the manufacture of brass goods, with $50,000 capital stock, of which $300 is paid in. The officers are: President, George A. Taylor, of Newton, Mass.; treasurer, Nathan Clifford, of Portland, Me. Certificate approved August 15, 1895.

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Horseless Carriages in France.

The United States Consul at Havre writes as follows: The time seems approaching when automatic road carriages, propelled by steam, electricity, or petroleum, will come into general use and take away from the patient horse the worst part of his daily toil. The odds, at present, seem to be rather in favor of petroleum. A most interesting competition has recently taken place in France between varied specimens of motor carriages. The course described was from Paris to Bordeaux—a distance of 358 miles—and back again, any vehicle to stand disqualified if it consumed more than one hundred hours on the road. The big prize of the day—40,000 francs ($7720)—was for four-seated carriages, which was won by Les Fils de Pengeot freres, while Messrs. Panhard & Levasson secured second place with a two-seated carriage, making the round trip in twenty-four hours and fifty-three minutes. The winning conveyances were propelled by gasoline, and the rate of speed was about fifteen miles an hour, which is regarded as an extremely creditable performance, the long lines of hills being taken into account. These hills appear to have proved too much for the carriages propelled by electricity, of which only one got through, the others having abandoned the contest. One of the steam carriages was brought to a standstill at Versailles early in the race, owing to an accident, and the others lost time by frequent stoppages of five and ten minutes, made for the purpose of taking in coal and water. The electrical conveyances had also to stop, from time to time, to renew their dynamic charges, but the petroleum machines carried enough force for a twenty-four hours' run, and on the return journey the run was made without a single stop. In comparing the merits of the different propelling agents, the palm must, so far, be awarded to petroleum, which is clean and can be easily carried The ordinary feeder used for short distances contains less than four quarts of oil, which will last over a journey of twenty miles, or two and one-half hours. For long distances, a receptacle capable of holding enough petroleum for a run of at least twenty or twenty-four hours is provided.

We hear also of bicycles propelled by petroleum, in which great interest has been exhibited, and half a dozen of such machines started in the race to Bordeaux, one, at least, holding its own among the larger vehicles. It is believed that light petroleum bicycles, tricycles, and even four-wheelers, will soon come into general use, which will tend to relieve lady cyclists from the necessity of wearing short skirts. Altogether, it seems that petroleum is destined to become the popular agent for solving the problem of traffic and conveyances without horses in the streets of great cities and on smooth country roads. It has already made astonishing headway in the uses and industries of the world. In Japan, it has become almost the sole illuminant, and on the Caspian Sea the Russian steamers burn nothing else for their engines. In commenting on the success of the horseless vehicles propelled by petroleum, in the race between Paris and Bordeaux, a leading English journal says:

"Why is it that we are so slow in this country to take up improvements of such immense social importance? Ours is the land of machines and machinery, of skilled inventors and colossal enterprises, yet in many respects England lags behind the whole civilized world in availing herself of the discoveries of science. There is not as much use made in the whole of London of the telephone as in one single quarter of Washington City, and there are prairie towns in the West of the United States more magnificently lighted by electricity than the best street of London. Electric tram cars and tram cables may be seen in many and many a city abroad, while here they are still novelties. Years ago, the tourist might have watched a detached electric or petroleum phaeton quickly threading the thickest crowd of carriages in the Place de l'Opera, at Paris; and now we have Frenchmen again, instead of the countrymen of Watt and of Stephenson, acting as pioneers to the new age which will certainly effect the deliverance of great cities from horse traffic, and of the horses themselves from a cruel and destructive use of their strength. It is a circumstance which has been frequently commented on, that there are no horseless conveyances other than cycles and a few cable tram cars in London. The reason is said to be that the law restricts the adoption of horseless vehicles in England to a very great extent. They are all subject to conditions upon which alone locomotives of primitive construction, steam rollers, etc., are suffered to go through the streets. A man must go before with a red flag, and the speed must be under four miles in the country or two in the town. The restriction was probably very well before the days of rapid transit, and it may be very well yet in its application to heavy locomotives. It was no doubt intended to guard against accidents due to the frightening of horses. But horses, like human beings, soon become accustomed to new and strange sights, and are nowadays seldom frightened even by the railway locomotive; besides, it is absurd to class a light carriage with a road locomotive or steam roller, because its motive power is steam, gas, petroleum, or electricity. But since the successful experiments recently made in France, London seems to have caught the gleam of a ray of hope that horseless cabs and omnibuses may soon be seen in her streets. Mr. Shaw-Lefevre, president of the Local Government Board, has introduced into the House of Commons a bill intended to permit such carriages to be used, and they will no doubt soon become a common sight in the streets of London, as they are now in the streets of Paris, Havre, and other French cities."

Rubber Mats for the President's New Launch.

A short time ago the newspapers devoted considerable space to a description, and in some cases illustrations, of a new launch which President Cleveland had purchased and taken down to Buzzards' Bay. They did not, however, all mention the fact that the very attractive rubber mats used aboard the craft were furnished by the New Jersey Car Spring & Rubber Co., of Jersey City, N. J. The company received the order direct from Buzzards' Bay and assume the President said: "I want new perforated mats for this new launch, and must have the best. The proper place to get them is the New Jersey Car Spring & Rubber Co."

Shortly before the Hardware store of Richards & Conover, Kansas City, Mo., was closed some days since, a well dressed man called and purchased several pistols, handcuffs and other articles. When he came to pay for the goods he said that he did not have sufficient money with him and asked that an employee of the store ride with him in his buggy to his home on Woodland Avenue. A clerk named Matthews accompanied the man, who got out of the buggy on Woodland Avenue and left the clerk to hold the reins while he went after the money. Matthews waited a long time for the man to return. Finally he drove the buggy to the police station and left it after making a report of what had taken place. The buggy had been hired at a livery stable.

The Van Wagoner & Williams Hardware Co., from September 1, 1895, have transferred to the Cleveland office all books of account, formerly kept in New York. The general business of the company will be conducted at Cleveland, but the office at No. 14 Warren Street, New York, with its stock of goods, with the exception of some lines, will be kept there as heretofore. C. T. Stork, secretary of the company, who for over twenty years has occupied various positions in its employ, will have charge of the business in New York city and vicinity.

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Reading Hardware Co.'s Discount Sheet.

The Reading Hardware Co., Reading, Pa., and New York, have issued under date of August 15th, an appendix to their discount sheet No. 3; which appendix gives the changes in list prices in their No. 3 discount sheet, and also the discounts from list prices in the catalogue of 1891. We are pleased to herewith give the discounts, as follows:

Page in 1891 catalogue.		Discount. Per cent.
2–27,	Blaine Locks and Trimmings	16⅔
28–42,	" Hardware	10
44–95,	Windsor Locks and Trimmings	15
96–142,	" Hardware	5
144–185,	Plain, Bronze Locks and Trimmings	10
186–210A,	" and P'ain Albion Hardware	List
212–313,	Rim and Mortise Locks, Knobs, Escutcheons, &c	55 and 10
316,	Butts, Fast Joint, No. 14	*50 and 5
316,	" " " 16	*50 and 10
317,	" Mayer's	*70 and 10
317,	" Parliament, No. 12.	*70 and 10
318,	" Loose Joint, Nos. 18 and 20	*70 and 10
319,	" " " 022, 023, 23, 24	*70 and 10
320,	" Loose Pin, Nos. 31 and 32	*70 and 10

Add No. 031, (as No. 31, Ball Tip).

Inch	2½x2½	3x3	3½x3	
Per dozen pairs	$1.35	$1.75	$2.15	
Inch	3½x3½	4x4	4½x4¼	5x5
Per doz. pairs	$2.35	$2.90	$4.00	$5.50 *70 and 10

Add No. 032 (as No. 32, Ball Tip).

Inch	2½x2½	3x3	3½x3	
Per dozen pairs	$2.50	$3 00	$3.45	
Inch	3½x3½	4x4	4½x4½	5x5
Per doz. pairs	$3.70	$4.50	$5.50	$7.00 *70 and 10

321,	Butts, Loose Pin, Nos. 07 and 017	*70 and 10
322,	" " " 33 and 35	*70 and 10
323,	" " " 034, 038 and 040	*70 and 10
324,	" " " 310, 320, 330, 60, 62	40 and 5
325,	Hinges, Harbster's Shutter	75 and 10
325,	" Lull & Porter's Shutter	70 and 10
326,	" Gravity Blind	75 and 5
326,	" Surface "	50
227,	" Blind Door	55 and 7½
327,	" Gate, Western	60
328,	" " New England	60
328	" " State	60
329,	Gate Latches	65
330,	Turnbuckles	40 and 10
330,	Inside Shutter Catches	50 and 5
331–333,	Registers, Black and White Japanned	*70 and 2½
333,	Registers, Gold Bronzed, No. 630	*66⅔
334,	" Philadelphia Range	*70 and 2½
335,	Dampers, Rods, Knobs and Cups	*70 and 2½
336–340	Pulleys, Frame	35
340–341	" Axle	35
342–345	Brackets, Store, Shelf and Rosette	66⅔ and 10
343,	Brackets Rosette	70 and 5
344,	" Cottage	70 and 5
345,	" Stair Rail	66⅔ and 5
346,	Bells, Gong and Alarm Door	50
346,	House Bells on Carriages	50 and 10
347,	Bell Cranks	60 and 5
348,	" Pulley	60 and 5
348,	Check Springs	60 and 5
348,	Slide Bell Pulls	60 and 5
349,	Sliding Door Hangers, Philadelphia	35
349,	Wrought Iron Rail	35
349,	Endless Anti-Friction Door Hangers	35
350,	Ives' Parlor Door Hangers	30
350,	Favorite Parlor Door Hangers	30
351,	Prindle Anti-Friction Door Hangers	30
351,	Annex Anti-Friction Door Hangers	35
352,	Sliding Door Sheaves	66⅔ and 5
353,	" " " Hatfield	30 and 5
353,	" " Stops	30
353,	" " Rail	60 and 5
354,	Shutter Sheaves	65 and 10

Add Nos. Per set of four.

7.	1¼-inch Iron Wheel	$0.60
8.	1¼-inch Brass Wheel	$1.25
9.	1¼-inch Brass Wheel Anti-Friction	$2.00

355,	Shutter Screws and Lifts	65 and 10
355,	Stubs and Plates	40 and 10
355,	Sash Centers add No. 26 $7.50	40 and 10

Add Surface:

Nos.	Inch.	Per gross.	
32,	1⅞x¼, Coppered	$3.80	40 and 10
33,	2⅜x⅜, Coppered	5.00	
34,	2⅞x1, Coppered	5.75	
35,	3½x1¼, Coppered	9.50	
36,	4⅜x1⅜, Coppered	15.00	
1132,	1⅞x ¼, Plain Bronze	16.00	List
1133,	2⅜x ⅜, Plain Bronze	20.50	
1134,	2⅞x1, Plain Bronze	27.50	
1135,	3½x1¼, Plain Bronze	40.50	
1136,	4⅜x1⅜, Plain Bronze	60.50	

356,	Sash Locks and Props	55 and 5
356,	" Rollers, Nos. 10 to 14	70
356,	" " " 20 to 40	60 and 10
356,	" Cord Irons	55 and 5
356,	Sectional Sash Weights	55 and 5
357,	Window Spring Bolts	10 and 5
357.	" Springs and Bolt Sockets	65 and 10
358,	359, Sash Fasteners	60 and 10
359,	Shuter or Sash Knobs, No. 20	70 and 5
359.	" " Nos. 283 and 284	60 and 10
360,	Show Case Catches	50 and 5
360,	Elbow Catches	50 and 5
360,	Cupboard Latches	50 and 5
360,	" Turns	50 and 5
361,	Door Buttons, Japanned, Nos. 40 to 64	65 and 10
361,	" Brass, Nos. 4070 and 4110	50 and 7½
361,	" Pulls	55 and 5
362,	" "	60 and 2½
363,	Drawer Pulls	66⅔ and 5
364,	Japanned Lifting Handles	65
364,	Brass " "	60
364,	Flush Trap Door Rings	70 and 5
365,	Brass Flush Rings	65
365,	Chest Handles, Flush and Service	66⅔ and 5
366,	Thumb Latches	66⅔ and 5
367	"	65
368,	Barn Door Latches	60 and 5
369,	Store Door Hand.es	60 and 5
370,	Brass Ox Balls	55 and 5
371,	Bolts, Brass Flush	50
372,	" Flat and Cased Shutter	65
372,	" Excelsior Shutter	65
373,	" Cast Tower	65
373,	" Wrought Iron Tower	66⅔ and 5
373,	" Cast Barrel, add 2½ in. $1.00	66⅔
374,	" Wrought Iron Barrel	70 and 10
375,	" Brass Barrel	50
376,	" Square Spring, No. 00	66⅔
376,	" " Brass	55
376,	" " Necked, No. 92	66⅔
376,	" " Brass	55 and 10
377,	" Brass Flat Ship	55 and 10
377.	" " Square Door	55
377,	Staples for Square Bolts	65
378,	Bolts, Spring Foot	65
378,	" Lever Foot	65
379,	" Chain, Japanned, Nos. 47 to 74	55
379,	" " Brass, Nos. 3350 to 3360	55
380, 381,	Chain Door Fasteners	60 and 7½
382,	Hooks, Wardrobe	65 and 5
382B, 383,	Hooks, Ceiling	60 and 2½
383,	Hooks, Hat and Coat	60 and 10
384,	" Wire Ceiling	50 and 10
384,	" " Hat and Coat, Nos. 754 to 778	65
384,	" " " Nos. 911 to 915	45
385, 386,	Hooks, Hat and Coat	60 and 10
386A, 387,	" " "	60 and 10
388, 389,	" School House	65
389,	Hooks, Baggage Check	60 and 5
389,	" Molding	60 and 5
389,	" Cabin Door	66⅔ and 5
390, 391,	Hooks, Harness	66⅔ and 5
392,	Clothes Line	65 and 10
393,	Pulleys, Clothes Line, Nos. 310 and 311	60
393,	" " Other Nos	65
393,	" " add No. 60 $1.30	65
394,	" Side	65
394,	" Japanned Screw	65
394,	" Brass Screw	65
395,	" Incased Screw	60
395,	" Incased Swivel	66⅔ and 5
396,	" Japanned Upright	66⅔ and 5
396,	" Add Brass Upright No. 529, ⅝ in. $2.40	60
396,	" Tackle	65 and 5
397,	" Awning	66⅔ and 5
397,	" Ceiling	66⅔ and 5
398,	" Hot House	66⅔ and 5
398,	" Dumb Waiter	66⅔ and 5
399,	Line Cleats	66⅔ and 5
399,	Melting Ladles	50
399,	Plumb Bobs	50
400, 401,	Foot Scrapers	55 and 5
401,	Spring Coal Tongs	30 and 10
402,	Casters, Plate, Nos. 101 to 127	60 and 10
402,	Casters, Plate, Nos. 131 to 137	55
402,	Casters, French, Nos. 201 to 226	60 and 5
402,	Casters, French, Nos. 231 to 236	55
403,	Casters, Bed	60
403,	Casters, Bed, Globe Wheel	60
404.	Casters, Piano Forte	60
404,	Casters, Bracket Bed	55 and 5
405,	Casters, Store Truck	50
406,	Bed Fasts	50 and 5
406,	Dumb Bells, add 3-lb. $0.10	50
406,	Quoits	40 and 5
407,	Porch Irons (in bulk)	40 and 5
407,	Well Wheels	40 and 5
407,	Hoisting Pulleys	40 and 5
408,	Hay Fork Hooks	40 and 5
408, 409,	Hay Fork Pulleys	40 and 5
409.	Electric Light Pulleys	40 and 5
410, 411,	Barn Door Hangers	20 and 10
411,	Reading Anti-Friction Door Hangers	40 and 5
411,	Adjustable Barn Door Stay Rollers	40 and 5
411,	Wrought Bracket Rail	40 and 10
412,	Barn Door Rollers	20 and 10
412,	" Rail	50 and 5
413,	" Pulls	60 and 10
413,	" Stays	20 and 10
414,	Saw Clamps	40 and 10
415,	Wrought Iron Bench Screws	50 and 5

Add Nos. 15 (1⅛x18 inches). 16 (1¼x18 inches.)

$12.00 $14 00

415,	Chantrell Bit Braces	55 and 5
415.	" Ratchet Braces	50 and 5
416,	Nail Pullers	40 and 5
416,	Hollow Handle Tool Sets	20 and 10
417,	Grindstone Fixtures	30 and 10
418, 419,	Jail and Spring Padlocks	55 and 5
420,	Quilting Frame Clamps	55 and 5
420,	Waffle Irons	40
421,	Egg Beaters	Void
421,	Soap Dishes	50
422,	Sad Iron and Coffee Pot Stands	55 and 5
422,	Crown Cold Handle Sad Irons (xx are void)	50 and 5
423,	Sad Irons	30 and 5
423,	Tailors' Irons xx, add 26 pounds (2⅞x11⅞ inches)	30 and 10

Add xx Wide Face:

Weight, lbs	14	16	18	20
Size	2¼x9¾	3x9¾	3½x10	3¼x11
Weight, lbs	22	24	26	
Inches	3⅜x11¼	3⅜x11⅜	3⅜x11½	
Weight, lbs	28	30		
Inches	3½x11½	3½x12		

423,	Tailor Irons xx German Pattern	30 and 10

Add 12 pounds (4¾x7¾ inches.)

424,	Ice Picks	35
424,	Tack Hammers	60
424,	Rubber Mops	20 and 16
424,	Foot Rests and Boot Jacks	45 and 5
425,	Nut Cracks	65
425,	Box Coffee Mills	Void
426,	Savings Banks	20 and 10 and 5
426, 427	Match Safes	45 and 5
428,	Twine Boxes	40 and 7½
429,	Tobacco Cutters	45 and 5
430, 431,	Bird Cage Hooks	65
432, 433,	Flower Pot Brackets	30 and 10
433,	Lamp Brackets	30 and 10
434,	Paper File Hooks	40 and 5
434,	" Clips	40 and 5
435.	" Files	40 and 5
435.	" Weights	40 and 5
436,	Apple Parers, '72	20 and 10
437,	" Baldwin	20 and 10

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438, " Advance.....20 and 10
439, " '78.....20 and 1
440, Kitchen Grindstones.....40 and 5
440, Scales, Tea.....40 and 5
441, 442, Scales, Counter.....40 and 5
442, 443, " " Steel Bearing.....40 and 5
444, Scales, Butchers'.....40 and 5
444, " " Steel Bearing.....40 and 5
444, Scale Weights.....50
445-460, Prices quoted upon application.

*All discounts with a star (*) are subject to a different extra discount.

Advance in Silverware Prices.

The announcement is made that twelve firms "controlling the manufacture of silverware in New York City have increased the price of sterling silver flatware ten cents an ounce." The firms are the Gorham Mfg. Co., George W. Shiebler & Co., the Whiting Mfg. Co., Dominick & Haff, Reed & Barton, the J. B. & S. M. Knowles Co., the Towle Mfg. Co., R. Wallace & Sons, the F. M. Whiting Co., Wood & Hughes, the Howard Sterling Co., and Davis & Galt. Mr. Shiebler, of George W. Shiebler & Co., said to a reporter: "The manufacturers have contemplated this increase for some time. For over a year we have made no profit whatever on flatware, which includes such articles as tea, dessert and table spoons, and table and dessert forks. No other goods will be influenced by the increase in price. The rise is, however, mainly due to the gradual increase in the price of silver bullion. which is now quoted at 68 cents an ounce. Over a year ago there was an understanding among the wholesale manufacturers that if bullion went up we should raise the price of certain articles. Another consideration we had in view was the fact that more expensive patterns in flatware have been introduced. This increase in prices was a trade secret and not designed for publicity."

Southern Hardware Jobbers.

The executive committee of the Southern Hardware Association, composed of John Brown, Charles H. Ireland, representing Odell Hardware Co., Greensboro, N. C.; Geo. E. King, of King Bros., Atlanta; Jas. J. Mendelbourn, of Tones Bros., Little Rock, and W. E. Gibbins, met some days since at Knoxville, Tenn. This committee is appointed by the Association to meet every six months and oftener, if necessary, to look after and attend to the interests of the Association. It has the power of appointing certain committees to attend to specific business. The following committees were appointed: Manufacturers' Committee, Transportation Committee and the Grievance Committee. On each is three men. The correspondence that had accumulated since the last meeting was attended to, as well as time and place selected for the next meeting of the Association. It will meet the 13th, 14th and 15th of May, 1896, at Lookout Inn. After the meeting the visitors were shown over the city by the local Hardwaremen, and with one voice were loud in their praise of Knoxville.

Pike Mfg. Co.'s New Quarters.

The Pike Mfg. Co., Pike Station, N. H., have decided to open quarters of their own, and under their direct personal management, in New York City. They have accordingly leased the ground floor and basement at No. 151 Chambers Street, where they will carry everything in their large line of manufacture. J. M. Yarnall will be in charge of a large executive force, and the export trade will be looked after here, as well as that which naturally belongs to this territory.

The company are preparing in all ways to meet the renewed business activity that is so surely upon us. They are erecting a new factory at Hot Springs, Ark., in which will be cut and finished their Arkansas and Washita Oil Stones. A new building is also being erected at Pike Station, to supply the greatly increased demand for their Indian Pond Scythe Stones. The company have lately made contracts for a large number of stones to be sent abroad.

Scattergood Pay-Roll and Record Book.

The Scattergood Co., Disston building, Philadelphia, are having unusual success with the Scattergood Pay-Roll and Time-Record Book, some information concerning which has already appeared in these columns. The announcement is made that this book is at present in use by leading firms in the United States, Canada and England, employing all the way from 25 to 2000 hands, and is giving universal satisfaction. It is further explained that it is a safeguard against errors, giving a complete history of the pay-roll at a glance, with a complete record of each employee. It is a perpetual index to the time-records and pay-roll, by use of which one can turn to any record in an instant, no matter how old. Some further advantages are referred to as follows: "No copying from one book into another. No carrying of names and rates from one portion of a book into another. The only labor-saving Pay-Roll or Time-Record Book that can be used to advantage where there are frequent changes. Only current matter to handle. Neat and compact. Saves re-writing names and rates indefinitely. Can be used with any system of time-keeping." Any company or house which carries a pay-roll, will find it to their advantage to correspond with this company, and receive detailed information as to the character of the book, and the special advantages which are to be secured from its use. Sample pages showing its method of work will also be sent.

How He Wet His Feet.

Alfred D. Clinch, of Underhill, Clinch & Co., New York, is the last man in the world to sit still and doze away the dreamy hours, when there is work to be done, for Hardware dinners or humanity. They say, down in Asbury Park, that some days ago he was sitting with his little ones under the shade of a huge umbrella upon the sunny sands, when there came a cry for help. Two women had gone out beyond their depth. The life-saver went by like a flash of lightning, but was not quicker than the agile Clinch, who was up and ahold of the rope with which the saver expected to be pulled to shore. As the rope was not quite long enough to allow the man to go clear out, Mr. Clinch gave him more slack, and to do so, forgot that he wore shoes and trousers, and went down into the surf. The waves of old ocean beat about his knees while he stood there and held on, and it was not until after rescued and rescuer were safe ashore, that he remembered the matter of clothes; but haled gaily forth to his stopping place, happy in the thought that he held on to the rope, even though his feet were wet.

A serious fire has occurred in the works of the Sandusky Tool Co., Sandusky, Ohio. It burned for about an hour, and consumed twelve car loads of valuable timber and several hundred feet of the two storage buildings. The buildings were not very valuable, and were merely a covering for the timber when in progress of drying. The timber was valued at about $5000, and consisted of apple, maple, bass and beech woods. Some of it had been in storage for about four years, and was just to be used in filling a large order for planes and tools. Very little of the pieces of timber damaged by the fire can be used.

According to HARDWARE 200,000 bicycles were manufactured in this country in 1894; the paper estimates that the output of the machines for this year will be 400,000. There is a suspicion that wheels may be in the editor's head, for he prophesies that 1896 will show an output of 700,000.—*Grand Rapids (Mich.), Democrat.*

Burial caskets are now being made of aluminum by an enterprising company at Allegheny, Pa. They are air-tight and rust-proof.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

A Vibrating Push-Button.

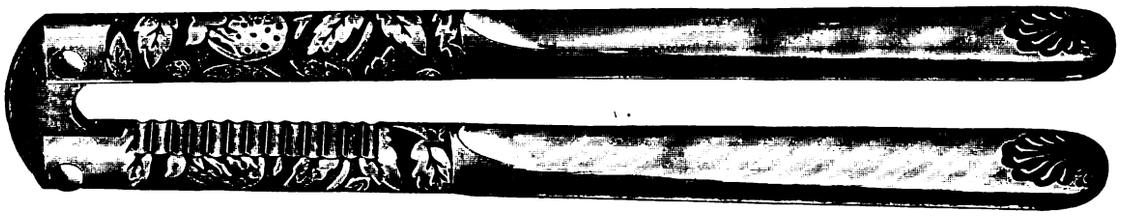
The R. & B. Mfg. Co., No. 1814 Fairmount Avenue, Philadelphia, are placing upon the market the new Vibrating



Push-Button here shown. It consists of a small magnet and armature mounted within the push-button case and connected in series with the contact spring, so that the vibrating bell at the other end of the circuit will operate the armature within the push-button and indicate to the person signaling that the signal has been properly transmitted. Absence of the clicking sound produced by the armature indicates, of course, that something is wrong and that the signal has not been reproduced by the bell at the other end. The device is about the same size and appearance as an ordinary push-button, and can be substituted for the latter without any change whatever in wiring, just as though it were identical with the button displaced. The great convenience afforded by being able to tell instantly whether or not a signal has been transmitted properly is obvious to any one who has called repeatedly without response, and is left in utter ignorance as to whether the signal was transmitted, or whether the lack of attention was due to the negligence or absence of the person summoned.

A Steel Wire Nut Crack.

The Steel Wire Nut Crack here shown is being placed upon the market by the Upson & Hart Co., Unionville, Conn. It is made from steel wire, silver or nickel-plated, and is described by the makers as strong, durable and attractive. Put up half dozen in a box, and also with a corresponding number of nut picks, having handles of shell pattern. The company will send prices upon application.



"Quick-Cut" Can Opener.

The Gibbs Mfg. Co., Canton, Ohio, in introducing this new article to the trade, tersely say: "A source of satisfaction is always felt when placing the Quick-Cut Can Opener in stock—you know you've got the best, and that they are sure to suit." A glance at the accompanying illustration will give a good idea of this article and its method of operation. The makers describe it as cutting easy, does



not slip, "will open any shape or size can on top or side, and works equally well right or left hand. Cuts smooth and close up to the edge, turning the edge out, so that the contents may be easily removed without being torn or disfigured. To operate.—After inserting blade let the notch rest on edge of can; hold the handle loosely and take short upward strokes, using the notch as a fulcrum which grips the edge and prevents slipping. Furnished either lacquered or nickel-plated. One dozen in a neat box for counter display." The company will be pleased to furnish information as to prices, etc., on application.

I. C. Valve for Pneumatic Tires.

The I. C. Valve for Pneumatic Tires, here shown in an improved form, is being offered to the trade for 1896 by the Clark Novelty Co., Rochester, N. Y. As will be seen by Fig. 2, the valve consists of only few parts—the small rubber bulb upon which the action of the valve depends, the shell, cap and deflating pin secured in the plug to which the bulb is attached. As explained by the makers, "the

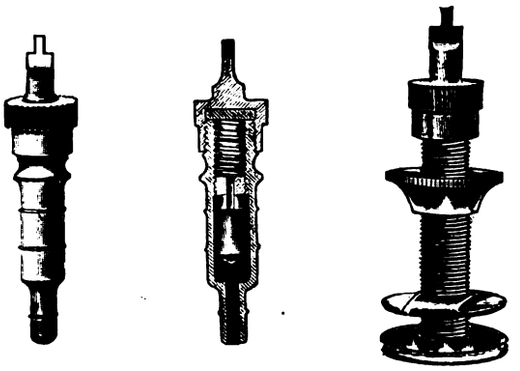


FIG. 1.—PLAIN VALVE. FIG. 2.—SECTIONAL VIEW OF PLAIN VALVE. FIG. 3. METAL BASE VALVE.

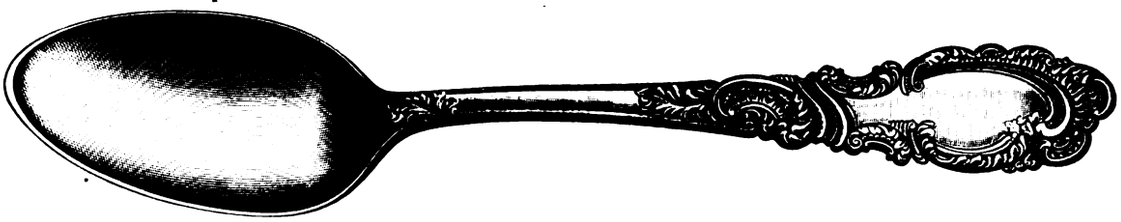
air passes through the little slots on either side of the plug and around the bulb, which is upset against the wall of the valve by the return pressure of air; this forms an absolutely perfect check, but to preclude the possibility of any slight escape by use a dust cap is provided with a first quality thick rubber packing, being held in a recess to prevent its dropping out and which presses tightly against the flat rim of the shell to make it absolutely air-tight. The cap is fitted with a screwdriver and pin which is used for removing the plug and bulb and for releasing the air by pressing against the deflating pin which enters the bulb through the plug. After the valve has once been tied or vulcanized to the tire it need never be removed as all the

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parts can be taken out of the exposed end. The diameter of the shell is fitted with the universal pump connection and thread." In Fig. 3 is shown the metal base I. C. valve.

The Aldine Ware.

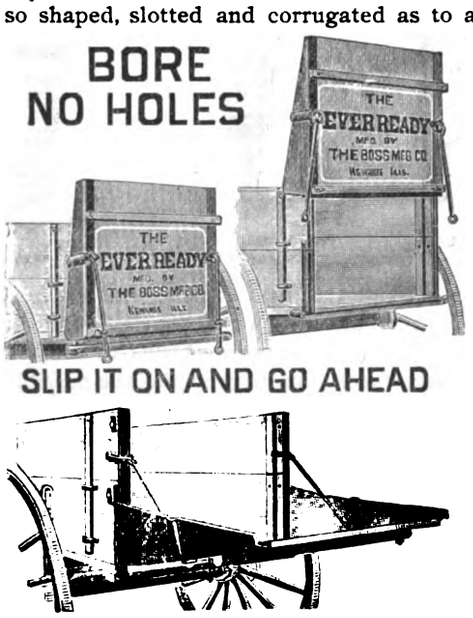
The Rogers & Hamilton Co., Waterbury, Conn., are bringing out a new, handsome and complete line of their silver-plated ware, one sample of which is here shown.



They call this the Aldine pattern. In a note to the trade they say: "In presenting to your notice the Aldine, our latest production, we wish to emphasize the fact that it contains all the excellent qualities for which our goods are especially noted, namely, elegance of design, bold and striking figures, and extra heavy spring tempered shanks; is carefully finished in the metal before plating, aud after plating by the sectional process, thoroughly burnished and finished. This pattern will, in our judgment, be a most remarkable seller, and should be in the stock of every first-class dealer." In addition to the staples made in this design, such as knives, spoons and forks, they are also offering a number of special fancy pieces, such as cheese servers, berry spoons, crumb knives, fish knives, sugar shells, salad forks, ice cream forks, etc.

Ever-Ready Shoveling Board.

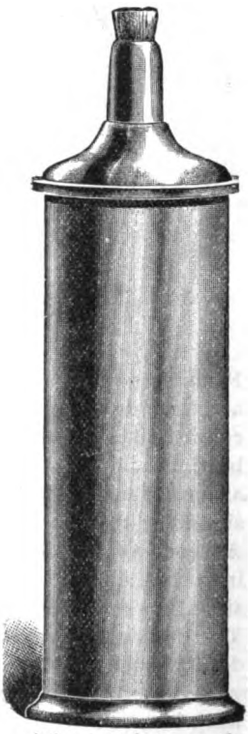
The Boss Mfg. Co., Kewanee, Ill., have commenced the manufacture of the Ever-Ready Shoveling Board here shown. It is intended for attachment to a farm wagon, and is described by the makers as possessing several novel aud attractive features. No holes need be made for its use; is merely slipped on, and can be adjusted to any wagon without mutilating it. The makers further say: "It has good shiplap pine bottoms, strong steel sides, castings of best malleable iron. Attaches to wagon by means of four castings so shaped, slotted and corrugated as to admit of



almost instant adjustment without boring any holes or bolting to wagon at any point. Malleable parts A 2 and No. 3 act as clamps only as, from the nature of their shape, they fit around the inside cleats and hold the board firmly in place. The malleable parts are bolted and riveted together before leaving the factory, so it is an easy matter to set the board up. When board is closed and rods fastened, the end of wagon box sets in between steel side and board bottom, thus strengthening the wagon body materially. By using a little care in adjusting the long A 1 casting in connection with A 2 and No. 3 so that it sets close to the end cleat of box, a sufficient tension can be obtained at the eye or fulcrum plate, when rods are hooked or fastened, to hold the board very firmly against end of wagon."

The Little Wonder Pocket Torch.

David Hymes, No. 135 Lake Street, Chicago, is offering the trade his Little Wonder Pocket Torch, illustration of which is herewith shown. It is intended for the use of mechanics and others who are compelled at times to work in dark places. It will be appreciated by plumbers, gas fitters and furnace men; also for those who may occasionally have to work in vaults, closets, etc. "It can be used anywhere as a substitute for a candle. It will burn kerosene, gasoline, benzine, lard oil or any kind of oil; does not smoke or smell, and can be carried in the pocket or tool kit without the least danger of leaking. When filled, the torch will burn from ten to twelve hours. It is nicely finished, and price is very reasonable."



Klages Cork Screws.

The illustrations here shown represent two new designs in cork screws placed on the market by Frederick Klages & Co., No. 107 Chambers Street, New York. As shown in Fig. 1, the screw is contained in the body of the bottle, the neck unscrewing to allow it to be drawn out. The neck is again screwed on to the body and is ready for pulling corks. The bottle as shown in Fig. 2, is 2¾ inches long, finished in nickel plate. A brass plate on the bottle has the words "Crooked but has a Pull." The cigar Cork Screw when closed measures 4 inches in length, taking up no more room in the pocket than a cigar. The

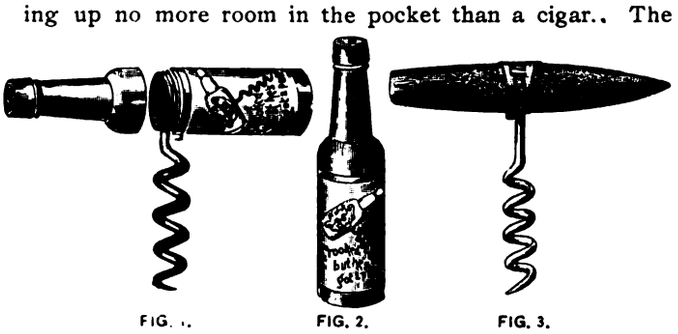


FIG. 1. FIG. 2. FIG. 3.

attractive features of these goods include their utility, the novelty of the designs, their finish and the facility with which they may be carried in the vest pocket.

Sanitary Ash Sifter.

Briner's Sanitary Ash Sifter is a new article which Briner Bros., Nos. 54-58 Rutgers Street, New York, have just placed upon the market, although it has been experimented with in practical use sufficiently long to show how well it does the work assigned it. The makers are so well satisfied upon this point, and as to the demand for it, that they offer to consign a sample to any dealer who feels inclined to take hold of the article. The Sifter and its method of

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operation can be readily understood by a glance at the accompanying illustrations. In description the makers say: "Being absolutely dustless, this Sifter may be operated wherever the ashes are removed. There is nothing on it to get out of order. No knobs, no handles, no hinges. It is detachable, so that the can may be placed upon the street for the ashman to empty. It is portable, and may be conveniently kept near the range or furnace. Being provided with a cover, it permits filling to the top, thereby shortening the operation. The can will hold the ashes of about one week. By sifting you avoid the frequent

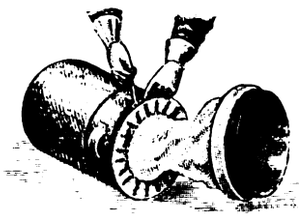


FIG. 1.—ATTACHING.



FIG. 2.—FILLING.

dumping of ashes. This will be most appreciated by those who carry ashes up and down stairs." The sieve is made of close mesh galvanized iron wire, with a deep hard wood frame. The cover and bag are made of the most closely woven sail duck, dyed gray. The cover is provided at the edge with a felt packing, as an extra precaution against the escape of dust. The ash can is made of black iron, galvanized after construction. In attaching, place the ash can, bag, and sieve, as shown in Fig. 1. Draw the first string tightly around the mouth of the can, and fasten in the hook. Be sure to have this string close to the rim of the can. Then draw the second string together, and tie in a loop. This second string prevents ashes from settling upon rim of the can. Filling: Fold the bag inward, or give it a slight twist while lowering the sieve, thus forming a bottom under the sieve, to prevent the untimely dropping of ashes. Fill the sieve full and place the cover firmly upon it. Raise the sieve, and shake as usual. Dumping: After shaking, lower the sieve, and allow it to remain unopened for a few moments, so that the dust may settle within. Dump and repeat in the same manner. Do not detach the bag until the can is full, which



FIG. 3.—SIFTING.

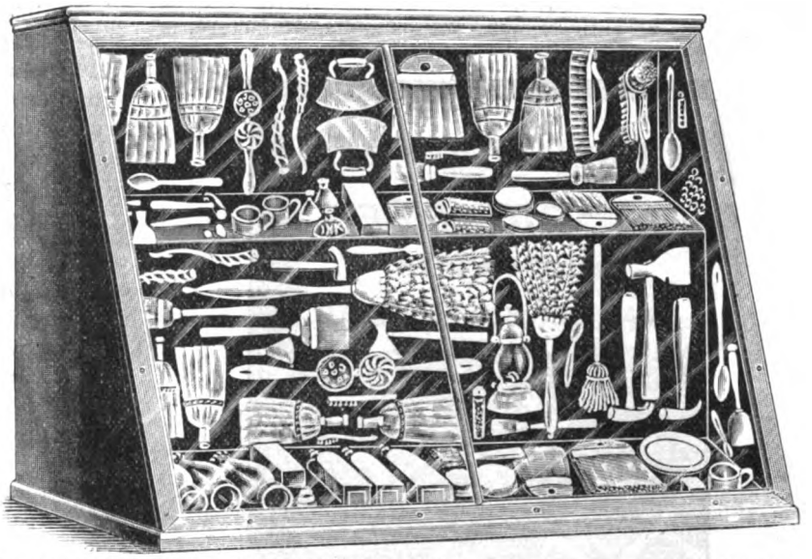


FIG. 4.—DUMPING.

may be determined by pressing the loose bag into the can." Dealers will do well to take advantage of the generous offer of the manufacturers to send a free sample upon consignment.

Whittier's Perfection Show Case.

This attractive Show Case is manufactured by Smith & Whittier, Nos. 116–118 North Street, Boston. It is 6 feet long, 2 feet and 6 inches high, and 27 inches wide. It is designed expressly for the display of goods in grocery and Hardware stores. "By its use a fine display can be made; samples of goods which are never shown may be kept in full view, thereby largely increasing sales of such articles as pay the largest profits. Twenty-five square feet of shelves to which one hundred and fifty samples may be attached, prices marked as desired so that customers may make a selection. The sash, which is 3x6 feet, is screwed securely to the case, making it dust-proof. In the back of the case shelves are arranged for keeping stock, and, if needed, drawers may be put under the counter. These

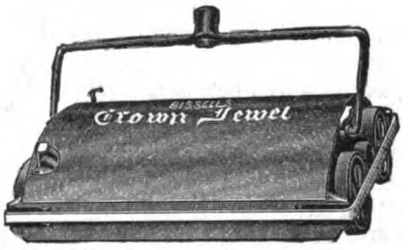


Cases will pay for themselves in any store several times a year. For instance: if you sell two articles more a day, which pay a profit of five cents each, you will pay for the Case each six months. This being true, how can any storekeeper afford to be without them? Sold at the nominal price of $16 to customers who buy small wares of us; $15 if taken from our store without being packed. Order by mail, or call and see one in use. Old show cases taken in exchange and allowed the price at which we can sell them."

The Bissell "Crown Jewel."



The Bissell Carpet Sweeper Co., ever wakeful to the increasing demands of the trade for improvements, have just made some very radical changes in their well-known line of "Crown Jewel" sweepers, having changed the entire construction and finish of the Sweeper, by placing the wheels on the outside, and bevelling the top of the case with fine selected three-ply veneer top, gracefully curved and finished in imitation mahogany, natural birch and imitation quartered oak. The trimmings are of three kinds—japan, silver bronze and nickel. This Sweeper in its improved form is unquestionably the best low-priced Sweeper ever placed on the market. It is a good sweeper, a good looker and a good seller. It con-



tains the Bissell broom-action, everlasting pure bristle brush and spring dumping device. The "Crown Jewel" is a marvel for the money and is a Sweeper that must be seen to be fully appreciated.

The Falcon Iron & Nail Co., Niles, Ohio, employing about fifteen hundred men, recently posted notices that all employees not governed by the labor associations would be granted an increase in wages of 10 per cent.

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A New Style of Rubber Belt.

The New Jersey Car Spring & Rubber Co., Jersey City, N. J., who have won an enviable reputation as manufacturers of high grade vulcanized rubber goods, such as belting, packing, hose, tubing, mats and matting, have put a new style of belt upon the market, which bids fair to become one of the most popular ever offered users of such goods. It is of entirely new design and manufacture, is

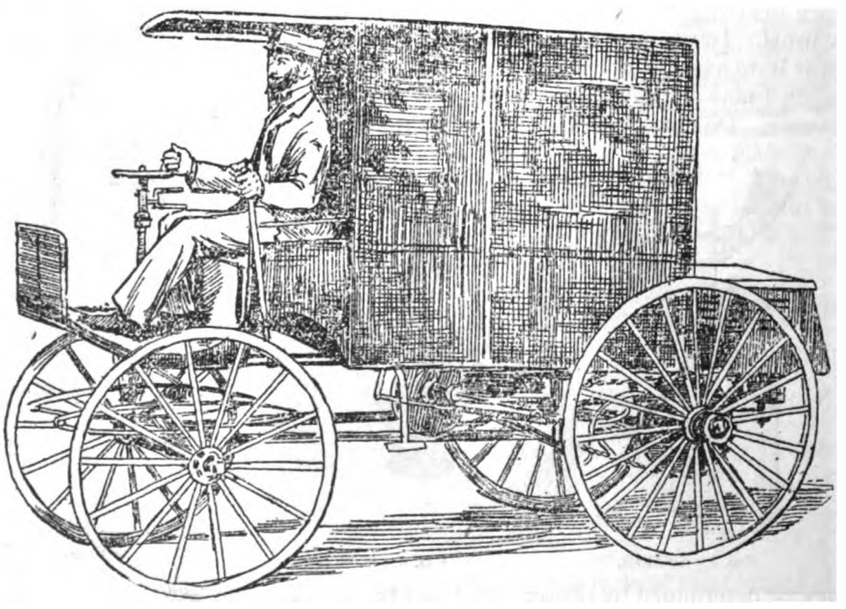


constructed with the great care characteristic of all the company's products, and is styled the "Gladiator Seamless Quilt Stitched Belt." As the name indicates, it is extremely strong and durable, is seamless and quilt stitched, as shown in the engraving. It is in this method of stitching that it differs radically from other sewed belts, and to it also the belt owes its other attractive and superior qualities. Especial points made in its favor are these: "For a long time there has been a recognized demand for a first-class stitched belt—one that would retain its strength, in which the stitching would not break and tear the belt with every unusual strain, and in a word could be thoroughly depended upon to give continued satisfactory service. While the ordinary longitudinally stitched belt with which the public has long been familiar undoubtedly possesses merit, there are many objections inherent in the different methods of its construction. These briefly stated, are, that the straight lines of longitudinal stitches greatly weaken the belt and render it liable to tear in the same direction; that the strain is nearly all on the outside stitches, and the thicker the belt may be, the greater the disparity of strain on the stitches and the more liable they are to break; that, as the sewed belt is naturally somewhat contracted by the longitudinal plan of stitching, the threads are liable to break when a severe strain is put upon the belt, and that the lines of stitching put in the way they are, weaken the belt for lacing. In the Gladiator Seamless Quilt Stitched Belt the belt is double stitched, the lines of stitching being put in obliquely and crossing each other; in other words, the belt is 'quilted.' The merit of this method of stitching is at once appreciated. In this way the strain upon the belt is more evenly divided and distributed in all directions and there is no liability of the stitches breaking to tear the belt and so weaken it; on the contrary, a network of cotton stitching is formed, each component part of which adds strength to the others and to the belt as a whole. The manufacturers have perfected machines of special design for making these belts and claim that in the Gladiator they offer what may be truly called a perfect stitched belt, having none of the objectionable features that pertain to the old-fashioned sewed belts, but with every merit which a perfect belt of the kind should have and with a degree of strength and durability not possible to secure by any other method of construction." A sample of this new style of belt, with full information, will be sent free to all who apply for it at the main works of the New Jersey Car Spring & Rubber Co., Wayne and Brunswick Streets, Jersey City, N. J.

New York's Horseless Wagon.

In this connection we show a petroleum driven vehicle, which has made its appearance in New York City, being one brought from France by Hilton, Hughes & Co. It was made by M. E. Roger, of Paris, who invented the contrivance by which its speed is regulated. It was tried on the asphalt of Washington Square because it was feared that part of the machinery, particularly the chains which move the wheels, would not stand jolting over rough stone pavements. An extra outfit of stronger machinery was in the Custom House, but as the owners were impatient to try the new carriage the asphalt of the park was selected.

The experiment was entirely successful. The wagon darted about the park at a high rate of speed. It was readily controllable, and made its way among vehicles and pedestrians with facility. Mr. Roger smilingly stepped up to what would be the driver's seat in any other carriage, his engineer moved the brake, and the wagon started. It moved slowly at first, then increased the speed. The engineer brought the wagon back to its starting point. Several trips were made around the circle at the centre of the square, and two blocks up Fifth Avenue were covered on one ride. The wagon is operated by a petroleum motor, and it is said to be the only one of the horseless vehicles that is supplied with a horizontal motor. This can be removed and used for any other purpose for which a motor is desired. The engine uses rectified petroleum with a density of 700.



A disastrous fire recently visited the St. Louis Wire Mill Co.'s plant, St. Louis, Mo., causing a damage of about $20,000. The worst damage was done to the machinery and belting in the nail mill, which is estimated at about $15,000. The damage to the building is placed at $2,000, while $3,000 will cover the rest of the damage done.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK--VII.

Despite the shortcomings before enumerated, I must have made some progress as a clerk during my first year with Samson & Crown, as they engaged me for the second year, and advanced my salary to two hundred and fifty dollars.

Toward the end of this second year, I began to realize that if my desire to become a lawyer was ever accomplished, it was time to take a definite step in that direction.

Plucking up courage for the venture, I called upon John Stahl, one of the leading lawyers of Grange, in whose Bible class I had been for some months. He heard my story with close attention, asked a few questions which turned me inside out before him, and then said:

"I think, my boy, that you would be justified in taking up the study of law, provided you are ready and willing for study of the most severe character. You must greatly improve your education in a general way—without that it would be foolish for you to think of taking up the law at all. They have a good seminary up at Weston (my father's home.) Do you think you could go back there and dig in for a couple of years?"

"I think I could, sir. I could live at home free of expense, and probably help my father enough to buy my clothes. I have saved about sixty dollars out of this year's salary."

"That is good. When your year is up here, go home; put in a couple of years; study hard, read good books; improve your mind and muscle; keep out of bad company. At the end of that time come again to me. I may have an opening in my office, or I can perhaps help you somewhere else."

I thanked him from a full heart, and set about the work he had so pointedly laid out.

Mr. Samson fully approved of Judge Stahl's advice when the matter was laid before him. I knew where Almon stood, as he had from the first advised me to try a couple of years in some good school. My father was pleased with the arrangement; and the joy of dear mother in getting one of her sons home again, was as deep as had been her sorrow when he went away.

The year that followed was, perhaps, the happiest of any that had so far been recorded in my life. The Weston Seminary was a staid and respectable school, founded and conducted under the auspices of the Methodist Conference. It had become one of the recognized educational landmarks of the Western Reserve, not quite so well known as Hiram Institute, or so important as Oberlin or the Western Reserve College at Hudson, but of a character to attract students from points many miles away. Men and women who had partaken of its benefits in their earlier days, were pleased to send their children, knowing that they would be surrounded by good influences, in a town that boasted that not a drop of liquor could be purchased within its borders.

The course of study laid down was a little too classic and high-sounding for the majority of students who attended; but so far as I can learn, Lysander Bancroft, of Nelson, was no poorer as a farmer because he had browsed around in Greek for a couple of years; while friend Jim Scott perhaps made a better justice of the peace over at Bainbridge, because he had A.M. and B.S. and B.C. attached to his name, and knew Cicero by heart. The larger portion of us, however, needed drilling in spelling, arithmetic and geography; and if we had been kept at these, and away from Moral Science, Rhetoric and Cæsar, we would all have been better equipped for the practical work of the world. But our pride of intellect, and educational self-esteem, would have been kept much smaller. The happiest man on earth was "Ben" Chamberlin, when he stood up in Trew's woods on Commencement Day, and spouted a Latin valedictory over the heads of some scores of open-mouthed farmers down below. Many congregations have listened to his eloquence since then; many pulpits have heard his modest appeals for better service for the Master whose loving and devoted minister he has become—but never has he felt himself so large a man, as he did on that memorable June day when he "orated" for a half hour in a tongue which no man there—even Professor Craft himself—could follow, and which caused a terrible wrench upon the mental apparatus of the orator himself, to remember as he went along.

How much or how little good a year and a half of schooling did me, I am unable even now to judge. The literary exercises with which the hard labor of study was interspersed, were pleasant and profitable, although it is with a sad but by no means cynical amusement, that I now recall the ambitious effusions which we youngsters put forth, in our efforts to become Websters and Emersons before our time.

Naturally one would suppose that at the expiration of the above-named time, I made haste again to Grange, and sought the opening which my good friend, Judge Stahl, had so generously promised.

Could I have done so, what would have been my fortune in after-life? Would I now be an old man, earning a mere pittance in this country store? Would I have done better, or found more of happiness, than has been mine? The poet well says that no man can roll the stone from the door of his dead youth; that "of all sad words," the saddest are: "*It might have been!*" Perhaps it would have been better, had it been as things were not; perhaps worse for me. I have tasted much sweet with the bitter, and with the memory of these past years clustering about me, I shall not complain.

Like too many others, I loved too young; made haste to take upon my boyish shoulders, far in advance of their time, the solemn burdens of married life. I laid aside—temporarily, I then thought—my career, that I might make life easier for the one that I then felt was the only one on earth for me. It is the old, old story:

"She was a child, and I was a child,
In this kingdom by the sea!"

She was some years my junior—a sweet, pure, young girl of common school education, quiet manners, and good sense. An orphan, employed in a millinery establishment of our town, her position appealed to me with unusual stress. We argued ourselves into the belief that an early marriage would be only a small hindrance to my career in life; in fact, I even made myself believe that when thus steadied down with home ties and responsibilities, I would work and study all the harder, and certainly enter my profession at an early date.

So we were married. It was a quiet affair, with little encouragement from any source outside of our fond, foolish, youthful hearts. My mother had opposed us earnestly, and with a kindness of advice that I can now see was golden in its wisdom. My father simply said: "Of course, you will do as you have made up your mind to—you have always done that. You will find that it will pay you to wait."

I again stated our side of the case.

"All right," was his answer. "Go ahead if you think best. But you must bear one thing in mind. The farm is small, and mother and I have our hands full looking after the other boys. You will have to find a home and work somewhere else. If you do get married, of course you can

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bring Minnie home until you look about. But it will be a visit only—I won't have mother burdened any more at her age."

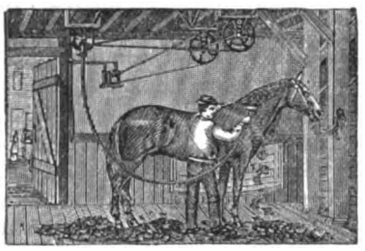
I had the grace to thank him for his kindness; but left him, I am afraid, with the air of one who felt that he was able to look after his own chances in the world.

We had need of my father's invitation for only a week or so. I had learned of a storekeeper in a neighboring town who needed a clerk, and drove over three days after the wedding to apply for the situation.

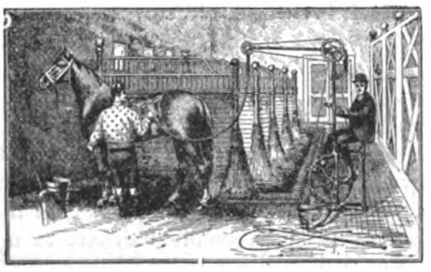
As it was a case of necessity upon my part, we had little trouble in coming to an understanding. The small salary he offered me—I hardly dare say how small it was—was supplemented by free rent of a little house he owned near the store, and free fuel from his woodpile. A few days later my little wife and I packed our few belongings into father's wagon, and Frank drove us over to Branch. Her parents' household goods had been saved, and were of great assistance to us just then, when all the money I had in the world was a ten-dollar bill my father had loaned me.

Horse Clipping Machines.

The season has arrived for clipping horses, and parties looking for machines of well-tried merit and popularity are requested to consult the advertisement of the Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York, on another page. They manufacture, it is said,



"the only absolutely flexible shaft, also make the widest and most rapid cutters on the market. The machine is the simplest made, having the fewest parts, therefore the least liable to get out of order." On account of rapidly increasing business their facilities for manufacture have been doubled for the coming season. Grinding of cutters is one of the special branches in their works, all grinding and re-



pairs being finished and returned on the day received. No delays. All customers are requested to send in knives for repairs at once, and be ready for clipping early in the season. These machines are largely exported to other countries, and receive the highest praise from every source. Send for new catalogue and price list. Over 500 machines ordered for Europe, speaks volumes in its favor.

It is reported from Lock Haven, Pa., that the Danville Nail Works, which have been idle for a couple of years, "have been bought by a party of capitalists, who are well known in financial and iron circles who will at once have necessary repairs made and put in active operation. This is one of the most complete factories in the country for nail making. There are over 100 nail machines, and when in operation employment is given to 600 men."

The Cycle Show for 1896.

The Second Annual Eastern National Exhibit of Cycles, Cycle Accessories and Sundries will be held in Madison Square Garden, New York, from January 18 to 25, 1896. This is a decision recently reached by the National Board of Trade of Cycle Manufacturers. The allotment of spaces will occur on October 9th at the garden. In a circular announcing the exhibit the management says:

"Character of Exhibits. It being the intention to make this Exposition exclusively a Cycle mechanical exhibit, the Madison Square Garden Co. reserves the right to decline and prohibit any exhibit, exhibitor or proposed exhibitors, or exhibits not approved of by the National Board of Trade of Cycle Manufacturers, and to permit only such matter and conduct as shall be approved of by the National Board of Trade of Cycle Manufacturers. The above reservation covers persons, things, conduct, printed matter, souvenirs and emblems, and all things which affect the character of the exhibition. Information, submission of proposed matter or conduct to be made to Frank W. Sanger, manager for the National Board of Trade of Cycle Manufacturers of the Eastern National Cycle Exposition, Madison Square Garden. Exhibitors have the right to distribute approved of catalogues and price lists, only from the space occupied by them. Applications for special privileges, such as advertising, souvenirs, etc., together with a sample of the same, must be submitted to Mr. Frank W. Sanger, not later than January 10, 1896.

"Conditions of allotment of spaces. Applicants are requested to make all of their selections in their first or original application, and to number their selections in the order of their preference, first, second, third, etc., etc. Upon a date fixed and advertised, allotment will be made without regard to date of application. When a space is applied for by two or more applicants the same will be allotted in observation of the following claims to preference: First. Members of the National Board of Trade of Cycle Manufacturers. Second. Signers of agreement to exhibit only at sanctioned exhibits of the National Board of Trade of Cycle Manufacturers. Third. Largest amount of space applied for. Fourth. Desirability and appropriateness of exhibit; preference given to exhibitors of bicycles only. Fifth. Former exhibitors at cycle shows given in Madison Square Garden. When the rights of applicants are equal they will be notified and requested to settle among themselves and notify. Should they fail to do so for ten days they will be notified that the space will be allotted to that applicant who offers the largest premium, but one offer being permitted, and the premium paid being repaid in admission tickets. No allotment will be made until all applicants with greater claims to preference have been provided for. Allotment will be made by Frank W. Sanger, manager, to whom all applications must be made, subject to the confirmation and approval of the executive committee of the National Board of Trade of Cycle Manufacturers. No application will be opened until Wednesday, October 9, 1895, at 12 o'clock noon, and then they will be opened by Manager Sanger in the presence of a representative of the National Board of Trade of Cycle Manufacturers."

The text of the advertisement of the Geuder & Paeschke Mfg. Co., of Milwaukee, Wis., in this issue, is of special interest to those dealers who desire to handle a first-class, reliable line of pieced tinware. The Geuder & Paeschke Mfg. Co. make these goods of charcoal tin, on improved machinery, and guarantee them to give satisfaction in every respect. Write them for prices.

By direction of the Executive Committee, the date for holding the Annual Convention of the National Association of Manufacturers, at Chicago, Ill., has been changed to November 19, 1895.

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RECENT TRADE PUBLICATIONS.

The Yale & Towne Mfg. Co., Stamford, Conn., and New York, have published a supplementary catalogue of the products of their Branford Lock Works department, an advance copy of which has just come to hand. Although a comparatively small volume, 215 pages, this book contains an unusually large amonnt of new and attractive matter, among which the following are the principal items: First: On pages 27 to 43 is shown a line of plain metal trimmings made from wrought bronze and wrought steel in place of cast metal, as has heretofore been customary. It is not possible by illustration to more than indicate the form of these goods, but their construction and finish are both of the best character and superior to much of the similar work in the market, especially in the matter of thickness or weight of material. Second: On pages 44 to 66, also 111 to 132, and 142 to 157, are illustrated two entirely new and very extensive lines of ornamental trimmings in wrought bronze and wrought steel, designated respectively Arcadian and Castilian. These designs are the work of the best designers at command and mark a distinctly new departure in this, that while adapted to a line of good but inexpensive Hardware, intended for popular public use and in buildings of the middle grade, their artistic characteristics are of the highest order and are such as to make the work suitable for use in almost any location, and acceptable to the most cultivated taste. The great favor with which these goods have been received since their introduction a few months ago, is conclusive evidence that the popular taste appreciates good designing of this kind, and will gladly substitute artistically decorated Hardware in place of the meretricious and too often unsightly work which has too often done duty as "ornamental Hardware." The Arcadian ornamentation is made only in wrought bronze and is exceedingly beautiful in appearance when furnished in "Old Copper" on sand finished surface. The Castilian ornamentation is made only in wrought steel, but in a wide variety of attractive finishes. Third: On other pages are shown examples of an attractive line of cast bronze Hardware of the Florentine ornamentation, to which several additions have been made since the issue of their complete Branford catalogue of 1893. Fourth: On pages 185 to 193 are given illustrations of their latest line of ornamental cast iron Hardware. This is known as the Arno design, and is particularly pleasing and appropriate for use in a wide range of buildings. Fifth: On pages 194 to 215 is shown an extensive line of locks and Hardware in the Madras ornamentation, which, although not new, has always since their first introduction of it been exceedingly popular with the trade. Sixth: Attention is also called to the very full line of Hardware of the Alsatian ornamentation, shown on pages 67 to 79, now furnished in cast iron, and which heretofore has been listed only in cast bronze. This new volume is substantial evidence of their policy and intentions as to the business of the Branford Lock Works department. Since acquiring control of this plant the company have steadily sought to raise the standard of the product, intending that in the field of middle grade Hardware it shall be fully equal to the repute so long enjoyed by the Yale products in the field of fine Hardware. To assist in this, they are making extensive changes and improvements in the Branford plant, as well as adding constantly new and attractive articles to its line of products, which latter will be duly announced as completed. Their business in both lines of products is conducted jointly through the branch houses in New York, Chicago, Philadelphia, Boston, Buffalo and San Francisco, directed from the general offices, No. 280 Broadway, New York.

We have received from the National Lead Co., No. 1 Broadway, New York, two entertaining monographs, in which the value of the information contained is equalled only by the handsome form in which it comes. These are entitled: "Red Lead and How to Use It: Permanent Protection of Iron and Steel: Made Certain by Red Lead, Linseed Oil and Proper Application;" and "Concerning Babbitt or Anti-friction Metals." Each is a plain but thoroughly scientific treatment of the subject named, and a glance will show has been prepared by a writer who has a most minute knowledge of the theme treated. In introducing the pamphlet last named, the company say: "This pamphlet is intended for the consumers of Babbitt and Anti-friction Metals. Our object in issuing it is to come into direct contact with and interest the users of lining metals, engineers, machinists, engine builders, etc. We consider that it will be advantageous both to the trade and ourselves to bring this about. The consumer will be benefited by obtaining at reasonable prices alloys which are scientifically prepared to fill every requirement, and which we guarantee to be perfectly satisfactory (if properly treated) when used as directed. We are making a superior line of anti-friction metals and selling them at prices which are as moderate as is consistent with the cost of the metals entering into their composition. By direct communication with the consumer, we cannot only better inform ourselves what alloy will prove most suitable for his needs, but will be in a position to know that he is only charged a fair price and that the composition of the metal is not misrepresented. Our brands vary in price according to the cost of the metals used in their manufacture, and we do not wish our low-priced goods to be sold to the consumer at an exorbitant profit."

Either of these little books will be sent upon application.

"Ice Skates" is the taking and self-explanatory title upon a little book just received from the Union Hardware Co., Torrington, Conn., and New York. It is their full illustrated price list for 1895, and shows very attractive cuts of their well known lines of these goods. In a note the company say: "For 1895 we are making same general line of men's and women's Skates as we have used so successfully for the past six seasons. We have made improvements by using toe braces and adding a knurled nut to our adjusting screw. All of our Skates are carefully mated, inspected and packed. The material which we use is of the highest grade which can be obtained, and we devote the best of oversight to our work. Our aim is to retain the reputation of making superior Skates. Our Ice Skate Telegraph Code will be furnished to our customers upon application."

"The Advance Courier" from the Relay Mfg. Co., Reading, Pa., just received, is the first announcement that has reached this desk for bicycles for 1896. The company announce that the Relay bicycles for 1896 will be strictly high grade goods, and will consist of the Relay Special, weight 20 pounds, price $100; Relay Model A, 23 pounds, $85; Relay Model B, 25 pounds, $75; Relay Model C, 27 pounds, $65; Relay Ladies', 23 pounds, $90. They say that their new factory will be four times the size of the present one, and will be filled with special new machinery, and they will use a visible ball-bearing, and the patented rear-adjusting fork which has met with such great success during the past two seasons. Their catalogue for 1896 will be ready in December.

Nearly all of the big department stores in New York have aluminum departments now.

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The Story of a Pump.

This is not a history of the famous town pump which soliloquized to millions of school children in the old Fourth Reader, but the plain and simple story of an everyday pump, upon the farm of one Brown, presumably in Ohio, or some other State in the West where pumps have taken the place of the well-sweep or pole. The narration is made in poetry, and the illustrations which appear upon each alternate page, convey to the eye the same moral that the text carries to the mind. The poet—who, of course, is an Ohio man—opens his story with a tragic climax at the very start:

'Twas on a wash-day at the farm,
Mrs. Brown was much put out,
For Farmer Brown had gone to town,
And the pump had given out!

Dame Brown worked at the "pesky" thing,
But the water it would not flow—
And the more she work'd at the pump
The harder it seem'd to go.

At this critical point, the good dame ceased operations, awaited the return of her husband, and then proceeded to give him a piece of her mind. In the morning he was up with the sun and at work with the old pump. It was of no use. He met a neighbor who showed him a ray of light by stating that he had a pump which had worked for eight years:

"'What's the name of the pump?' you ask,
You've got me now 'up a stump.'
But look! there the name is on it,
Let's see—yes—it's a MYERS pump.

"And they're made in Ashland, Ohio.
Well, I'll declare!—never was there?
Yes, they are the fellows that took
The first prize at the World's Fair."

Farmer Brown smashed the old outfit; bought a Myers pump; set it at work, and the poet tells the rest:

It really did'nt take them long
To get that pump to working—
It runs so easy, that now at
Pumping there is no shirking.

The old pump was a "hard one,"
But now the farmer's daughter,
A little pretty four-year-old,
Can pump up all the water.

The reader misses the best part of the story, which lies in the illustrations. Those who wish to read the whole story can receive a copy, by writing to F. E. Myers & Bro., Ashland, Ohio.

A Road You Can Write On.

Or a road upon which you can write, or a road you can write about; take your choice! either is true. We are talking about the Lake Shore and New York Central railroads between Chicago and New York. A newspaper man who has to send in "copy" *en route* appreciates it, after traveling all over the United States, when he gets back to a road you can do this on while making 50 per cent. better time than on Western roads which joggle your copy into illegibility.

This is ignoring the luxury of a perfect dining car service, scenery, including Niagara, which is a delight to the eye and an underlying sense of security from the consciousness of a block system which may make the difference to you between existence here and "kingdom come."

Safety, speed and comfort; they are all there; and when electricity makes a hundred miles an hour practicable, it is safe to say that the Vanderbilt roads will be in it. The men who are harnessing Niagara have got their eye on improved systems of applying electric power, and nine hours and a half to Chicago are quite within the possibilities of the near future.—*American Grocer.*

Aluminum pens are being extensively manufactured, and are sold as cheaply as the best grades of steel pens. They are hard, durable, and absolutely will not corrode in the ink.

Review of the Markets.

Money: The money market is quiet and no changes of importance have occurred since our last. Cheap money seems to be the order of the day. Offerings have been liberal, but demand has not been very active. Large sums will soon be required in the reorganization of bankrupt corporations, and greater activity is looked for by dealers. Call loans were made from 1@1½ per cent. Time money quoted at 1@1½ per cent. for 30 days; 2 per cent. for 60 days, 2½ per cent. for 90 days to 4 months.

There has been a fair degree of activity for commercial paper, which is worth 3½@4 per cent. for 60 and 90 days' indorsements. Choice single named, 4 months 4½@5, per cent. and 4½@5 per cent. for names less well known. Foreign exchange dull. Rates nominally $4.89 for 60 days, and $4.90 for demand. As indicative of the general monetary situation *Bradstreet's* says there have been sales of $18,000,000 of bonds at the New York Stock Exchange this week, against $7,000,000 last week; 25,000,000 bushels of wheat futures at New York against 17,000,000, and 1,500,000 bales of cotton futures, against 900,000 bales a week ago. New York's bank clearings are 25 per cent. larger than last week, but at Pittsburg the increase is 60 per cent., at New Orleans 50 per cent., Cleveland 51 per cent., Minneapolis 26 per cent., Providence 25 per cent., and St. Louis 18 per cent. larger. Bank clearings at eighty cities in the United States aggregate $885,000,000 this week, 1.5 per cent. less than last week, 19 per cent. more than in the last week of August, 1894, 36 per cent. more than in the like week of 1893, but 8 per cent. less than in 1892, and 21 per cent. less than in 1891.

The condition of the Hardware market is one that shows steady improvement in the amount of business actually transacted. With harvest nearly over, and large crops of all the great staples assured, there comes a quickening of demand in all lines of Hardware, and retailers, jobbers and manufacturers alike are rejoicing at the outlook. The tendency of prices is toward a higher basis, and the advance in iron, both raw and manufactured, is reflected in higher wages. Wire Nails have been advanced 20 cents, contrary to expectations. In many goods no advance has yet been made, and manufacturers are not disposed to hasten higher rates—at least not until they feel assured that prosperity has come to stay for a while, at least. Every indication is in favor of a good trade in all lines during the fall and winter months. Our correspondents in St. Louis, Chicago, and other points report steady increase in demand for all lines, and with a noticeable tendency toward higher rates, especially in heavy Hardware, stoves, cast iron goods, builders' Hardware, etc.

Wire Nails: So rapid has been the advance in iron that the rate for Wire Nails has again been advanced. At a special meeting of the manufacturers held on Tuesday an increase of 20 cents was declared necessary though the trade generally supposed that August rates would prevail for some weeks hence. Press despatches Thursday announced a still further advance in iron, and we will, likely, see a still higher quotation for Nails. Carload lots are now at $2.25 for Pittsburg, or $2.35 for less than carloads. New York price, carloads, $2.40, small lots from store about $2.50. The market is steady, and the demand is good, though there has been, naturally, some falling off. Our Chicago correspondent reports an extremely active demand by manufacturers, and satisfactory orders are entered every day. Jobbers also are busy, and rates of $2.40 for car lots prevail. Pittsburg reports good demand. St. Louis mills are busy and orders coming in a very satisfactory manner.

Cut Nails: We have no advance to note, though it has been the general practice to increase the rate as Wire Nails advance. Quotations consequently remain unchanged, at $2.05 for carloads at Pittsburg, and $2.15 for less quantity. Advices to HARDWARE from Pittsburg, Chi-

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cago, St. Louis, and other points all indicate active demand.

Barb Wire: Firmly held at the recent advance, and a very satisfactory demand prevails. It is quite likely there will be another advance in prices. Four-point galvanized $2.70 in car lots per 100 lbs; painted, $2.30; in New York, four-point galvanized, $2.85 carloads, $2.98 for less. Our correspondents at Chicago and St. Louis report good demand at firm rates.

Plain Wire: Firm with factories working to their full limit. An advance has been established and $1.75 prevails at Pittsburg for car lots.

Galvanized: About 40 cents higher.

Glass: Is quiet. Purchases are being made as wanted at previous rates. An increase in wages to workers has been agreed upon to take effect September 21st, when new fires will be started.

Rope: Quotations remain unchanged. Demand fair. Manila 6¾@7; sisal, 4¾.

Linseed Oil: The Dean Linseed Oil Co. announce following quotations, under date of August 27th: Raw, 45 cents per gallon; Boiled, 48 cents per gallon; Calcutta Raw, 50 cents per gallon.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake..... ℔ ℔....	12¼
Ansonia grade Arizona...	12
" Casting....	11¾
G. M. B.....	11

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl....17c.	℔ ℔
Over 3½ to 5 " " .. 18c.	℔ ℔
Square and Hexagon Rods, 1c. extra.	℔ ℔

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive...18c.	℔ ℔
Over 3½ to 5 " " ...19c.	℔ ℔

Antimony.

Hallett's .....℔ ℔....	8
Cookson's.....	9

Lead.

Foreign .....℔ ℔....	nominal.
Domestic.....	3½@3¾

Spelter.

Western Spelter	4@4¼
Bertha (pure)	6¾@7

Zinc.

600 ℔ cask.....	6¼
Per ℔.....	6¾

Tin.

Straits, Pigs	15½@15¾
Straits in Bars.....	17

Tin-Plate.

Coke Tins:	
I B grade Coke Tin.....	4¾
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC.....	5¼
Each X $1.50.....	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20.....	4¾
Do. 20x28.....	9.25
M. F., 14x20	6½
Do. 20x28.....	13.00
Dean, IC., 14x20.....	4.15
Do. 20x28.....	8.30
D. R. D. grade, 14x20.....	4¼
Do. 20x28.....	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Freshly made blood and nerve begin to turn from hill and shore to trade and finance. Summer breezes have been full of fresh hope and courage. Every wheel now anticipates a new burden with which it may enrich its owner. Bushels and bales are returning the store of the golden goddess with a new confidence born of returning values. The United States is entered to win in the autumn races of 1895 The wool clip of 48 States and territories growing wool in 1895 was 294,296,720 pounds, against 325,210,712 pounds last year and 348,538,138 pounds two years ago. Bessemer pig iron has nearly doubled in value since low panic point, because of the stoppage of ore supplies in the Marquette region. It is estimated Great Britain's railway system earned 3.77 per cent. on its capitalization during the past year, or a net revenue of $185,000,000. Atlanta's Exposition will open September 18th, on the very spot from which General Sherman shelled the city 31 years ago. America has 68,403 post-offices. The immigration to this country in July was 28,133 against 17,889 in July, 1894. The Railway Ferry, carrying 28 cars from Peshtigo, Wis., via Lake Michigan to Chicago, a distance of 260 miles, is pronounced a success. September 2nd was Labor Day in 30 States, the other States having a Labor Day observing it on different dates. The production of gold in the United States during the first seven months of 1895 was likely double the net amount exported. Gold exports the last five weeks were about 15 per cent. smaller than those of last year same time. Net gold exports January 1st to September 1st were $25,554,275, and for 1894 same time $71,066,948."

THE MINNEAPOLIS TRADE.

Slight improvement in trade; a better feeling all round; good crops assured; fair prices expected, and everyone that has kept his head above water the past two years or more in the Northwest is quite happy at the prospect. The retail dealers in the Twin Cities will realize this later in the fall and next year more than now, while the jobbers are all very busy in all lines. Great activity in railroad shops repairing and building new cars to handle the enormous grain crop. The general advance in prices on all kinds of Hardware shows the satisfactory condition of affairs throughout the country at large. It is comparatively easy this year to realize the advances. Customers expect it and do not murmur generally. In driving about the city we notice a great deal of building; really more than the past two years put together; a good many apartment houses under way; no good modern houses for rent. The laboring class as a rule is well employed in all lines.

W. K. MORISON & Co.

THE CLEVELAND TRADE.

The business during August has not shown the amount of increase that was to be expected. Although values have continued to advance and seem to be well sustained, yet the consuming trade have not responded, and the demand which is so apparent in the market is mainly from large dealers who are stocking up, in anticipation of a better demand later.

We have no doubt that this demand will surely come, although in this immediate vicinity, we do not look for as large an increase in business, as in other sections that have been more favored in the matter of crops. We have been having copious rain during the last three weeks, but during that time the grain crops were maturing, a large section of country in this vicinity was without needed rain.

Fortunately, the State of Ohio is so diversified in its product and manufacture that the failure of any one individual industry does not affect the state as a whole, and we will therefore hope to share in the general prosperity of the country by distributing to those regions that are more favored in the matter of crops, the products of Ohio's workshops. A further advance in Nails has been announced, covering deliveries for the month of September. Wire has also advanced, and the prices are well sustained.

There seems to be a disposition all along the line to get better prices, and with the exception of a few commodities the advances that are demanded, are not unreasonable. As long as this is the case, we look upon the condition as favorable, but when an effort is made to drive prices higher, there will naturally be a reaction.

We hope to be able to report to you favorably during the the entire Fall, as regards business conditions.

THE MCINTOSH-HUNTINGTON CO.

THE PHILADELPHIA TRADE.

Vacations are at an end, and familiar faces are once more seen in stores and offices, and it is very noticeable that they reflect a much more hopeful feeling.

The prices for August have been very satisfactory, showing a volume of sales largely in excess of the same month last year, and all indications point to a good fall trade which may reasonably be expected to greatly exceed last year. Already all commodities, such as Iron, Steel, Cotton, Wheat, etc., are higher, thereby enabling the different sections of the country where these goods are produced, to purchase more freely and to dispense with the hand-to-mouth policy which has characterized business for the last two or three years.

Prices are still on the move upward, but with the exception of Nails, there does not appear to be any advance which could be called sensational. The Nail manufacturers claim that this charge cannot even justly be applied to their advance, and we have positive inside information that orders have been placed for Wire Rods at an advance of nearly 50

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per cent. over old prices, so it can readily be seen that a large part of the advance in Nails is justified by the advance in material alone. It can certainly be said that as a rule manufacturers of general Hardware have pursued a very conservative course, and their advances, in most cases, have been very moderate; so much so that it is freely predicted that we have only seen the beginning of higher prices, and the next sixty days will bring many further advances which there is no doubt of maintaining.

During the past few days manufacturers of Locks have advanced prices on their entire lines, while all large makers of shelf goods have issued, or are about to issue, new discount sheets covering their entire line showing a general advance.

As we are nearing the end of the Bicycle season, a review is timely. The season for 1895 has been the most marked in the history of the Bicycle business, and it is safe to say it has been many years since a similar shortage has been witnessed in any of our lines. This shortage amounted to practically famine, and as is generally known it was absolutely impossible, during a large portion of the spring, to fill any orders promptly, and those who had been haggling over low prices in the early part of the season and deferred making arrangements, were only too glad to pick up supplies at very much advanced figures. There seems to be a prevailing opinion that Bicycles should be lower next year, but this is very far from being justified by the facts. As it stands to-day, a practically first-class Bicycle can be retailed for about $80, while a very good machine can be sold at retail for $60. It must be remembered that a stock of Bicycles counts up into money very quickly, and the retailer cannot be expected to handle this line except at a fair profit, and by the time the retailer gets his profit and the jobber his commission, the net price resulting to the manufacturer is not excessive. It is also to be remembered that almost all material entering in the manufacture of Bicycles has advanced, and advanced largely, and we have positive and credible information that it costs from $3 to $5 extra to make Bicycles for 1896. It is not likely, therefore, there will be any reduction in the price of Bicycles for the next year; on the contrary, prices are apt to be somewhat higher, as the demand is constantly for a good machine at a medium price, and consumers must realize that when they want a machine weighing only from 21 to 25 pounds, and expect it to carry from 150 to 175 pounds weight over all kinds of roads and through all sorts of weather, it is necessary that it should not only be made of the best materials, but also made in a thorough manner; and as life and safety depend upon a machine being thoroughly reliable, it certainly seems the height of folly to risk both for the small difference in price between a reliable and an unknown and untried machine. BIDDLE HARDWARE CO.

THE GRAPHITE TRADE.

August sales do not show so widely distributed a percentage of gain as the sales for the previous month. Crucible orders were far in excess of the orders for the general line of Graphite productions. Stove Polish comes up well to the front; then Pencils, Lubricants and sundries. Now that schools are paying more attention to drawing, and to the use of pencil and paper in general work, instead of the slate pencil and slate, the effect is more noticeable to the pencil manufacturer. There is nothing at this writing to which special attention can be called. General business is good, with orders from all quarters and representing healthfulness in all the prominent industries of the country, but with a disposition to secure the best goods at close prices. Collections cause no trouble.

JOSEPH DIXON CRUCIBLE CO.

Electric Hardware Mfg. Co., New York City, incorporated. Stock, $45,000. To manufacture and sell magnetized hairpins, magnetizing boxes, etc.

Scandinavian and Special Padlocks.

An association has been formed by the padlock manufacturers of Lancaster, Pa., for the purpose of putting the market for Scandinavian and Special Padlocks in a more satisfactory condition, than has obtained for some time past. The manufacturers who have thus associated themselves are E. T. Fraim, the Slaymaker-Barry Co., the Union Lock & Hardware Co., and D. F. Buchmiller. As the trade well understands, there has been very lively competition among the manufacturers, with the result of not only forcing prices down below a normal level, but also a deterioration to more or less extent of quality of some of the lines concerning which competition is most pronounced. The manufacturers above named have had several conferences, and finding that all were disposed to work in harmony for the good, not only of the manufacturers but of the trade at large, this association was the outcome. The cost in the production of goods and the general upward tendency of the market, has compelled an advance in prices, and all the former quotations have been withdrawn. It is thought by those most interested, that this new arrangement will not only result in an improvement in the quality of the goods, but will remove all cause of friction, and place this entire important line in a better condition in many regards.

The White Mountain Freezer Co.

The White Mountain Freezer Co., Nashua, N. H., are engaged in building an important addition to their plant. This is a new storehouse, situated southeast of their present buildings, and it will be one of the largest and best storehouses in that city. The new building is 70x118 feet, three stories high, and built of brick. It is strongly and substantially built, and when finished, will hold a large amount of goods. The contract calls for its completion by October 15th, and judging from present progress, the building will be ready on time. L. F. Thurber, the manager, states that the new building will tend to an increased business by the company. Mr. Thurber says: "The nature of our business is such that the rush comes in the spring and summer. At this time of the year we are not able to manufacture our goods fast enough to fill our orders. This means that to supply our trade we have to carry a very large reserve stock. Our business has been increasing each year and we have found it impossible to do without more storage room for this reserve stock and consequently this new storehouse is being built."

The Cold Handle Iron Co.

A meeting was held in New York on September 4th, at which the Cold Handle Iron Co. was dissolved by mutual consent. This was composed of the Enterprise Mfg. Co., Philadelphia, Pa.; Bless & Drake, Newark, N. J.; Cleveland Foundry Co., Cleveland, Ohio; and A. C. Williams, Ravenna, Ohio. While the relations of all concerned have been harmonious, it was thought best, in view of the condition of the market in this line, to discontinue the association.

The weight of a cubic foot of cast aluminum is 159 pounds. Brass is 524, copper 558, wrought iron 480 and steel 490. Platinum is over eight and one-half times as heavy as aluminum, gold is nearly five times, and silver four times as heavy, while iron or steel is only three times as heavy.

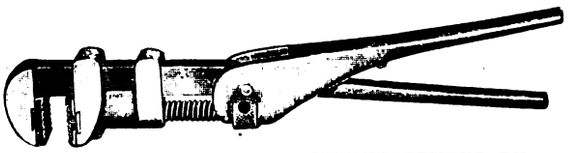
The Butte Hardware Co., Butte City, Mont., has decided to go out of business. It has been in existence since the early days of the camp. The competition of late years has been so sharp that the margin of profit has been cut to such a point that the company concluded not to remain in the market.

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This Wrench



Is becoming a



general favorite among Steam-Fitters, Jobbers and Plumbers.

—MANUFACTURED BY—

Wright Wrench Co.,

28 Bellevue St., Worcester, Mass.

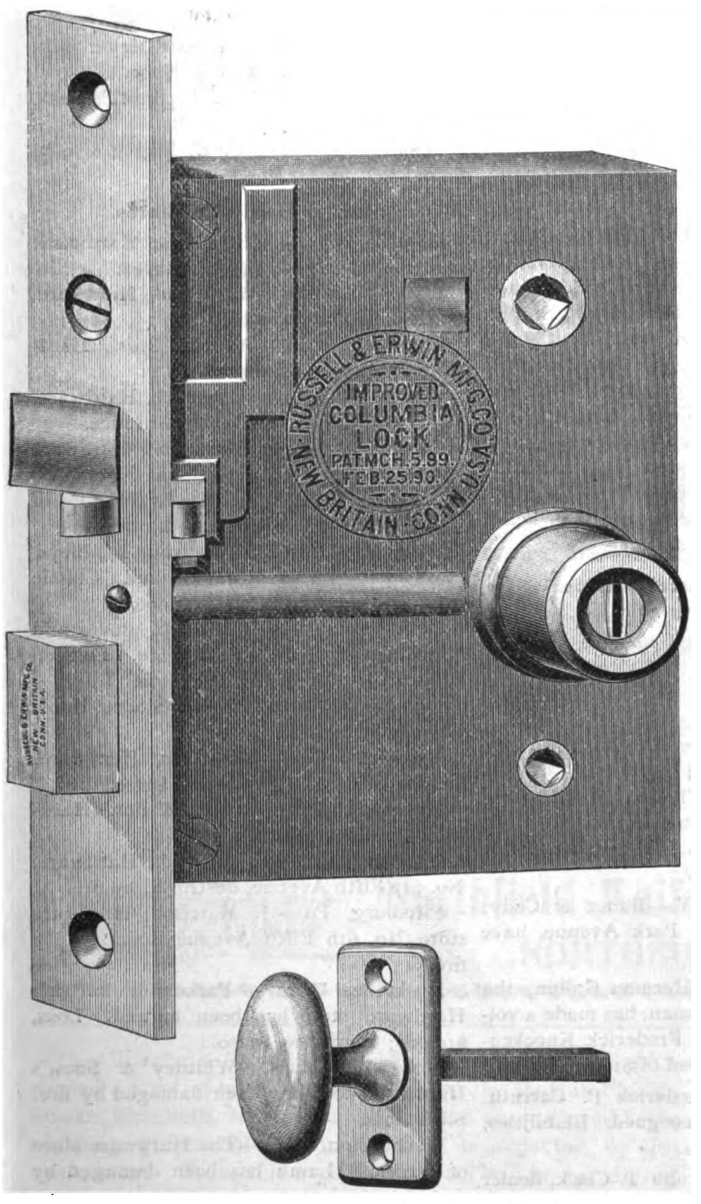
TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

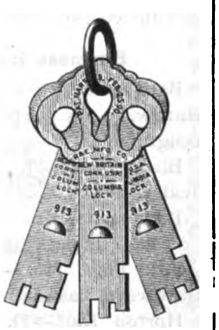
Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

Manufacturers of the

Columbia Cylinder Lock.





Front Door Lock, No. C1230.

The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

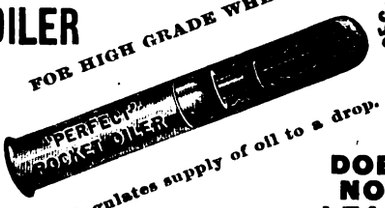
The Oakland Nail Works, Oakland, Cal., which were destroyed by fire two years ago, are to be rebuilt and put into operation as soon as possible. It is thought they will be ready for business before the end of September.

The Phillips & Clark Stove Co., of Geneva and Troy, N. Y., a portion of whose works was burned a short time ago, have made the insurance adjustment and resumed operations.

Al. is the pet name for aluminum, which has so lately come into our every-day lives.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



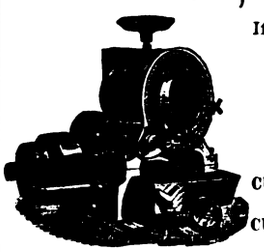
Regulates supply of oil to a drop.

25cts.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn.



The Attention of Ladies
is specially called to the numerous advantages of

"SELVYT" BRAND
Polishing Cloths

(Trade-mark registered at Washington, Aug. 6, '95.)

Now being sold by all leading stores throughout the country, at 10 cents upwards, according to size. They entirely do away with the necessity for buying expensive wash or chamois leathers, which they out-polish and out-wear, never become greasy, and are as good as new when washed. Sold hemmed ready for use, and should be in the hands of all domestic and other servants.

For sale by all Dry Goods Stores, Upholsterers, Hardware and Drug Stores, Cycle Dealers, etc.

Wholesale enquiries should be addressed,
"SELVYT," 381 and 383 Broadway, New York.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Andover, Mass.—Wm. Driscoll.
Ann Arbor, Mich.—F. S. Abbott.
Braidentown, Fla.—W. C. & G. H. Watts.
Bridgeton, N. J.—Brooks & Nicholson.
Dalton, Pa.—Rice & Davis.
Decatur, Ala.—William Tucker.
Fenton, La.—S. J. Fenton & Sons.
Fiskdale, Mass.—J. S. Woodhull.
Glasford, Ill.—Charles Lang.
Hibbing, Minn.—T. H. Lees.
Holly Springs, Miss.—Wall & Jones.
Tannersville, N. Y.—Frank Allen.
Terre Haute, Ind.—Edgar Dick.
York, Pa.—L. S. Cladcover.

Record of Changes.

Afton, Iowa.—George M. Violet, Hardware, reported as having gone out of business.

Alexis, Ill.—Bailey Bros., Hardware, etc., reported as having dissolved partnership.

Allentown, Pa.—E. M. Jacoby, the Hardware dealer, at No. 40 North Second Street, has sold out to Daniel Roth & Bro.

Anoka, Minn.—Bean & Guderian, Hardware and stoves, reported as having been succeeded by M. V. Bean.

Argentine, Kan.—W. F. Lucas has sold his Hardware store at the corner of Third and Metropolitan Avenues to McCaslin & Wilson.

Aurora, Ill.—Supervisor T. N. Holden has retired from the firm of Kendall & Holden, Hardware dealers.

Broadlands, Ill.—G. A. Astell, Hardware, etc., reported as having sold out.

Chula, Mo.—Owens & McGee, Hardware, reported as having been succeeded by F. P. McGee.

Columbus, Ga.—Estes & Abbott, Hardware, reported as having dissolved partnership.

Cummings, N. D.—M. T. Forthum, Hardware, reported as having been succeeded by John Munroe.

Dartmouth, N. S.—James Simmonds & Co., Hardware, G. E. Smith retires.

Eau Claire, Wis.—Thomas Kemp, Hardware, stoves, etc., reported sold to Enos Fisher.

Elbow Lake, Minn.—O. L. Lundberg & Co., Hardware, etc., reported succeeded by F. A. Johnson Co.

Santa Rosa, Cal.—C. E. Haven has purchased the Westrup Hardware stock, and will continue the business at the old stand.

Sheboygan, Wis.—H. H. Miller has sold his Hardware store on Michigan Avenue to C. Zelle and Joseph Trilling.

South Weymouth, Mass.—M. L. Loud & Co., the new Hardware firm, have purchased Stewart & Howe's business. Mr. Stewart will be in their employ, Mr. Howe retiring.

St. Joseph, Mo.—O. M. Spalsbury has sold his Hardware establishment at Eighth and Locust Streets to August F. Devorss.

West Duluth, Minn.—R. J. Fenton has sold his Hardware store to Wieland & Wade, a firm consisting of Theodore F. Wieland and Frank H. Wade.

Improvements and Removals

Dubuque, Iowa.—John Ernsdorff & Son, Hardware merchants, have purchased a lot on the corner of Main and Jones Streets on which they will begin immediately the erection of a five-story building.

Kaukauna, Wis. — Lemke & Wittman, Hardware merchants, are building a tin room to their establishment on Wisconsin Avenue. It will face the latter named street, being eleven feet front and forty-two deep.

Seneca Falls, N. Y. — Cary's Hardware store has been removed to the apartment in the Pew block, lately occupied by W. J. Peck.

Stevens Point, Wis.—The Hardware firm of C. Krembs & Bro. will occupy their new building in a short time. The building was erected at a cost of $10,000 and is said to be one of the most complete of its kind in the State.

Sullivan, Ohio. — Frank Geissinger has moved his Hardware into his new store.

Wichita Falls, Tex.—C. E. Pesterfield, Hardware, reported to have removed business to Itasca, Tex.

Williamsburg, Pa.—Metz Bros. are busily engaged in enlarging their Hardware store and making other alterations in their blacksmith shop.

Wilmington, Del.—The Delaware Hardware Co. have contracted with the A. S. Reed & Bro. Co. for the erection of a new store at the corner of Second and Shipley Streets; the building will cost about $6200. The new structure will cover the entire lot—52 feet on Shipley and 54 feet on West Second Street—and will have a floor space of 2808 square feet on each floor, or a total of 14,040. It will be five store high, including a basement. The walls will be eighteen inches thick and will be capped with heavy galvanized iron cornices.

Business Embarrassments.

Bath Beach, N. Y.—W. E. Johnson & Co., Hardware, etc., reported to have made an assignment.

Blair, Neb. — J. H. Stewart, Hardware dealer, failed.

Burlington, Vt.—The Ranson Hardware Co., filed its petition in insolvency.

Fair Play, Mo. — Charles M. Breeder, Hardware, has made an assignment.

Horton, Kan.—D. A. Palmer, Hardware dealer, has assigned.

Mechanicsville, N. Y.—Bunce & Cady, Hardware dealers on Park Avenue, have made an assignment.

Milwaukee, Wis. — Herman Gallun, the Vliet Street Hardwareman, has made a voluntary assignment to Frederick Knockenhauser, who gave a bond of $1000.

Orange, Mass. — Frederick P. Carruth, Hardware dealer, has assigned. Liabilities, $23,000; assets, $12,000.

Owatonna, Minn.—John T. Clark, dealer in general Hardware, has made an assignment to George R. Kenyon, cashier of the First National Bank.

Union, Iowa.—Huneston & Van Vorhis, Hardware dealers, of this city, have failed.

York, Pa.—J. F. Rohrbach, Hardware dealer, has faield for $20,000.

Burglaries in Hardware Stores.

Benton Harbor; Mich. — Wentworth's Hardware store, $150.

Centralville, Mass.—Rollins & Son, $12.

Ceres, N. Y.—Hickok & Cole, $100.

Constantine, Mich. — Bliss' Hardware store, $30.

Davison, Mich.—T. Hurd & Co., cutlery.

Florence, Wis.—E. P. Langesin, $150.

Golden, Col.—J. H. Linder & Co., $150.

Grand Forks, N. D.—Whitney's Hardware store, $200.

Greenwich, N. Y.—Hiram C. Hill, $200.

Hillsdale, Mich.—George Gardner, $200.

Lima, Ohio,—J. J. Ewing, $100.

Norway, Mich.—Chas. Trieber, $600.

Orrville, Ohio.—J. F. Deas & Son, $300.

Ottumwa, Iowa. — George Haw & Co., $100.

Red Cloud, Neb.—W. W. Wright, cutlery.

Staplehurst, Neb.—Herman Meyer, $60.

Vera, Ill.—Hoffman Bros., $200.

Waverly, Ohio.—Chas. F. Smith's Sons, $300.

Winchester, Ind.—C. E. Magee & Son, $100.

Fires in Hardware Stores.

Barkers, N. Y.—Jesson Bros., Hardware, reported burnt out. Fully insured.

Chafee, N. Y.—R. L. Willis, Hardware, burnt out. Not insured.

Clayton, N. Y. — Atwood Bros., Hardware, reported burnt out.

Clinton, N. J.—A. K. Smith, Hardware, fire loss of $3000, with some insurance.

Cook, Neb.—John Mastalka's Hardware store burned. Loss, $4600.

Corunna, Iowa.—The Hardware store of Milo Thomas has been burned.

Hoosic Falls, N. Y.—Wattrous & Rilleys, Hardware, corner Church and Classic Streets, burned out. Loss, $6000.

Kenton, N. J.—A. K. Smith, stoves and Hardware, store damaged by fire. Loss on building, $5000; insurance, $4000.

Lockport, Ill.—O'Connell & Sloane, Hardware, store burned.

Melrose, Iowa.—J. Mullins, Hardware, fire loss of $4000. Insurance, $1800.

Muskegon, Mich.—Bosema & Bolt's Hardware store destroyed by fire.

Pittsburg, Pa.—Henry Swift, Hardware, No. 612 Fifth Avenue, destroyed by fire.

Pittsburg, Pa.—J. Morrison, Hardware store, No. 616 Fifth Avenue, destroyed by fire.

Rockville, Conn. — Parker & Barber's Hardware store has been burned. Loss, $10,000; insurance, $7200.

Somerville, Mass.—Whitney & Snow's Hardware store has been damaged by fire. Slight loss.

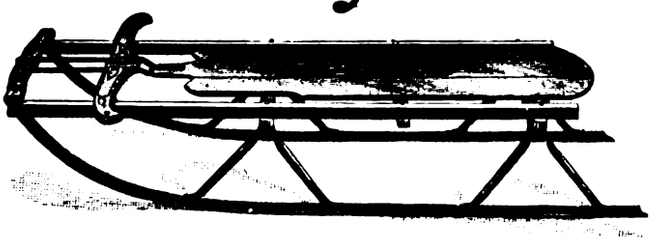
Washington, D. C.—The Hardware store of James B. Lamb has been damaged by fire.

Waukegan, Ill.—Lake Zurich Hardware store burned. Loss, $5000.

Wauwautosa, Wis.—C. S. Walters, Hardware store on State Street, damaged by fire.

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"Flexible Flyer" Sleds.



SLEDS have been made the same style for many, many years. About the same shape too, and length, width and height. About the same speed and safety. But now in the very last decade of the Nineteenth Century the "FEXIBLE FLYER" comes along, and the world to-day has a Sled lighter, stronger, handsomer, speedier than ever before, and one that can be steered by a touch of the hand. It avoids dangers, saves shoe leather, pleases the boys and the girls and the grown folks. Its ease of management and its many fine qualities are little short of marvellous. Easy to sell as soon as known. The dealer who first handles them adds to his profits, to his satisfaction, and to his reputation.

S. L. ALLEN & CO., Manufacturers, **Philadelphia, Pa.**

Keating "365 DAYS AHEAD OF THEM ALL." 17 to 23 POUNDS  CATALOGUE FREE FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit correspondence with Representative Hardware concerns. May we send you our new Catalogue?

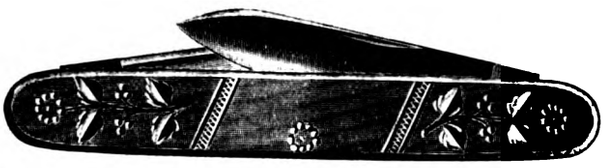
THE LIBERTY CYCLE CO.,
4 WARREN STREET, NEW YORK.

E. J. JOHNSON & CO.,
MINERS AND SHIPPERS OF
ROOFING SLATE.
OFFICE, 38 PARK ROW,
Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

Finest Quality Pocket Cutlery

Highest awards at all principal Worlds' Fairs.



Finest Aluminum Handles in excellent variety, handsomely finished, and beautifully engraved.

WRITE FOR SPECIAL PRICE LIST.

TRADE UNION MARK

Northfield Knife Co.,
NORTHFIELD, CONN.

Making Money

Selling bicycles depends upon the repairs.
The *less repairs*, the *more profit* to the hardware dealer.

The Sterling
(Built like a watch.)
is the *only* wheel that never needs repairs.

Send for Catalogue.

STERLING CYCLE WORKS,
236-240 Carroll Ave.,
CHICAGO.

The Elizabeth Tin-Plate Co. have organized and purchased a tract of land, 200x1000 feet, at the foot of Florida Street, Elizabeth, N. J., and will erect at once a large brick building, which will be completed, it is expected, by November 1st. From this 2500 boxes of tin will be turned out every week. The capital stock is $150,000. The president is Dr. T. Edwards, of Newark. Colonel Bacon, of New York, is vice-president, and H. A. Pritchard, of Elizabeth, N. J., secretary.

The Ely Hoe & Fork Co., of St. Johnsbury, Vt., will rebuild. Their new plant will be a building 45x213 feet, and will be completed about October 11th.

Situation Wanted.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty-ninth Street, New York.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Brooklyn, N. Y. — Charles Schwalbach, formerly manager for Gormully & Jeffery, bicycle manufacturers, has gone into the bicycle business for himself, leasing the summer garden on Flatbush Avenue, adjoining the McLachlen Hotel.

Denver, Col.—The Colorado Cycle Supply Co. is reported organized.

Eau Claire, Wis.—Herman Schlegelmilch, Hardware, is preparing to take up the manufacture of bicycles.

Fond du Lac, Wis.—The American Metallic Packing Co. have decided to commence manufacturing bicycles, and will establish a factory at Fond du Lac.

Freeport, Ill.—The Henney Bicycle Co. has been incorporated by J. W. Henney, O. P. Wright, H. R. Nelson and J. A. Woods, to manufacture bicycles. Capital stock, $10,000.

Janesville, Wis.—The Janesville Machine Co. is reported to have decided to go into the manufacture of bicycles next year.

La Crosse, Wis.—W. B. Medary, bicycles, appointed agent for the Syracuse Cycle Co.

Lake View, N. Y.—The Idlewood Bicycle factory is completed, and the Queen City Co. will put in the necessary machinery at once, and give employment to one hundred men at the start. They are now working day and night forces in Buffalo, with fifty men.

Lockport, N. Y.—A movement is on foot, looking to the establishment of a bicycle factory here.

Marinette, Wis.—Peter Sandlund & Co. is the name of a firm newly organized, having for its object the manufacture of bicycles.

Milwaukee, Wis.—Chief Cycle Mfg. Co. has been incorporated.

Milwaukee, Wis.—The Meiselbach Mfg. Co. has commenced manufacturing bicycles, under the management of A. D. Meiselbach, formerly of the Columbus Cycle Co. of Columbus, Ohio. Walter Lindsay is interested in the enterprise, and announces that 20,000 wheels will be built during the coming season.

Montville, Conn.—Parties are organizing a company for the purpose of manufacturing bicycles.

New London, Conn.—A. J. Gould, No. 5 Washington street, is reported to be contemplating the establishment of a bicycle factory.

New York, N. Y. — The Stanley Cycle Mfg. Co. has been incorporated by Leo Schlesinger, No. 129 Crosby Street, Silam Franklen, and Leopold Stearnes. Capital stock $100,000.

New York, N. Y.—The Tinkham Cycle Co. has been incorporated, with a capital stock of $100,000, to manufacture bicycles and Carrier tricycles. The new company will have exclusive sale in New York City, Long Island and the metropolitan district, of the Stearns bicycles, and will succeed to the business of the Bidwell, Tinkham Cycle Co., Nos. 306 to 310 West Fifty-ninth Street. Branch houses will be maintained at No. 20 Warren Street, No. 1213 Bedford Avenue, Brooklyn, and in other cities. Julian R. Tinkham is president of the new company, Ernest F. Walton is treasurer and general manager; Lloyd McKim Garrison, secretary.

New York, N. Y.—Parkhurst & Wilkinson, manufacturers of bicycle materials, Chicago, have established an eastern branch at No. 95 Reade Street, with J. I. Brandenburg, as resident manager.

Springfield, Mass.—The Indian Orchard Screw Co. is the name of a new enterprise, which will manufacture bicycle fittings. G. O. Gridley, is the manager, and among the parties reported interested are W. S. Lovell, Springfield, Vt., and W. B. C. Stickney, Bethel, Vt. The factory will employ twelve hands at first, and will increase the capacity as business warrants.

Toledo, Ohio.—The Union Mfg. Co. have taken up the manufacture of bicycles, making the Viking, a high grade wheel.

Toledo, Ohio.—The Toledo Mfg. Co. has been incorporated by J. R. Ransom and others, to manufacture bicycles. Capital stock. $50,000. A factory building is to be erected on Oakwood Avenue.

Waltham, Mass.—Messrs. Thompson and Howe, of the Orient Cycle Co., are reported to be organizing a new company, with a capital stock of $300,000, to manufacture a new bicycle, to be of the highest grade, the name of which has not yet been decided upon. A new factory is to be erected, three stories in height, 180x27 feet. Employment will be given to one hundred hands.

Youngstown, Ohio. — Steps are being taken, looking to the organization of a bicycle company, to manufacture bicycles.

Changes and Removals.

Allentown, Pa. — The Wetherly Bicycle Works are reported to have been sold to J. C. Sendal.

Asheville, N. C.—Penniman Bros., Hardware, bicycles, etc., reported succeeded by Penniman Bros. & Co.

Birmingham, Ala.—The Iron City Cycle Co. is reported to have sold out its business to the Loosely Cycle Co.

Hayward's, Cal.—Rahr Bros., bicycles, reported as having gone out of business.

McMinnville, Tenn. — The McMinnville Hardware Co. sold an interest in the business to William Biles, formerly of Nashville, Tenn., and bicycles will be taken up. Propositions from manufacturers of wheels and sundries invited.

Minneapolis, Minn. — Bird & Spencer, manufacturers of bicycles, reported to have dissolved.

Newark, N. J. — The American-Dunlop Tire Co. is reported to have decided to establish its manufacturing plant in Newark.

Ontario, Cal.—Williams Bros., bicycles, reported to have admitted F. Hatch, to partnership.

Paterson, N. J.—Snider Mfg. Co. bicycles, reported moved to Newburg, N. Y.

Shreveport, La.—Buckalew & Pleasants, Hardware, bicycles, etc., have been succeeded by Buckalew, Curry & Warren.

New Goods and Improvements.

Brooklyn, N. Y.—The Montauk Bicycle Co. are having plans prepared for the erection of a bicycle factory on Flatbush Avenue and Sterling Place, to cost $15,000.

Buffalo, N. Y. — C. Hermeril is making preparations to erect a two-story brick factory, at No. 195 Herman Street, to cost $1,000.

Buffalo, N. Y.—Queen City Cycle Co. is having an addition erected to its present factory building.

Chicago, Ill.—The Monarch Cycle Co. has recently placed a contract for additional 300-horse power boiler.

Cleveland, Ohio.—The Hoffman Bicycle Co. have given out a contract for the erection of new factory building.

Goshen, Ind.—The Ariel Cycle Mfg. Co. has certified to an increase of its capital stock to $80,000, and will add new machinery, and largely increase the capacity of its present plant.

Hartford, Conn.—The Pope Mfg. Co. has been given a building permit for the erection of a three story brick factory building, 103x63 feet, with wing same size 18x32 feet. Another wing on the north side, will be two stories high.

Norwich, Conn.—The Hopkins & Allen Mfg. Co., bicycle manufacturers, commenced the erection of additional factory building.

Peoria, Ill.—Rouse, Hazard & Co. manufacturers of agricultural implements and bicycles, commenced preparations for the erection of a new factory, two-stories and basement, 60x280 feet, and 300 hands will be given employment.

Pittsburg, Pa.—The Bicycle Stand Co. Eisner Building, is putting on the market an improved wheel rest, which is designed to allow a bicycle to stand without other supports.

Thompsonville, Conn.—Work on the new bicycle factory building, for the Lozier Co. is being pushed rapidly forward. A large force have commenced work, manufacturing tools for use in making bicycles.

Torrington, Conn. — The Eagle Bicycle Mfg. Co. have awarded contracts for two new factory buildings, each two stories high, 150x40 feet. Construction will be completed by November 1st, and the capacity of the plant will be increased to 25,000 bicycles a year.

Recent Fires.

Boston, Mass.—O. J. Faxon & Co. manufacturers of the Puritan bicycle, stock damaged to the extent of $500, by fire and water.

Boston, Mass.—Fairbanks Wood Rim Co. manufacturers of wooden bicycle wires, fire loss of $1000.

McKeesport, Pa.—W. J. Mead, bicycles, store destroyed by fire.

Trenton, N. J.—Overton & Hawkins, bicycles, damaged by fire; covered by insurance.

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THERE is always a time in the career of every business when Quality and Finish is necessary to build up and maintain your business.



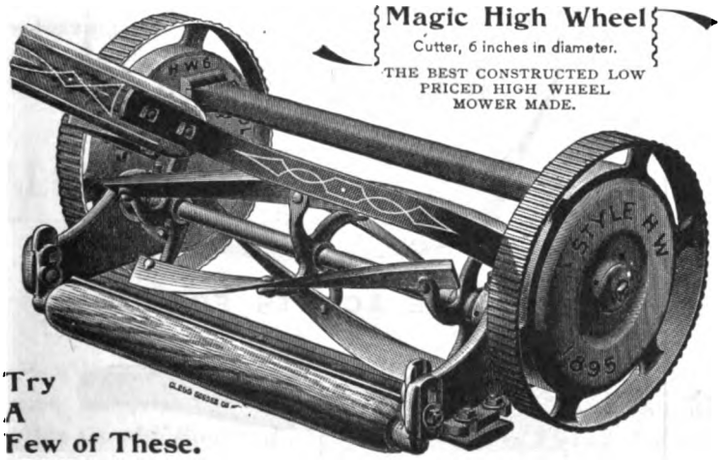
Has this time yet come to you?

It has if you wish to continue the confidence your customer has placed in you. The more competition you have the better ought to be your line of Barrows.

Thoughts and Ideas are valuable, but to maintain the intelligent effort, your goods must maintain a high quality and a moderate price. **THE CHAMPION BARROWS** possess all the above. What more can you ask?

BRYAN MFG. CO., Bryan, Ohio, U. S. A.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS



Try A Few of These.

WERE THE

OFFICIAL

MOWERS OF THE

Columbian Exposition.

OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters fron D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,

Richmond, Ind. U. S. A.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.

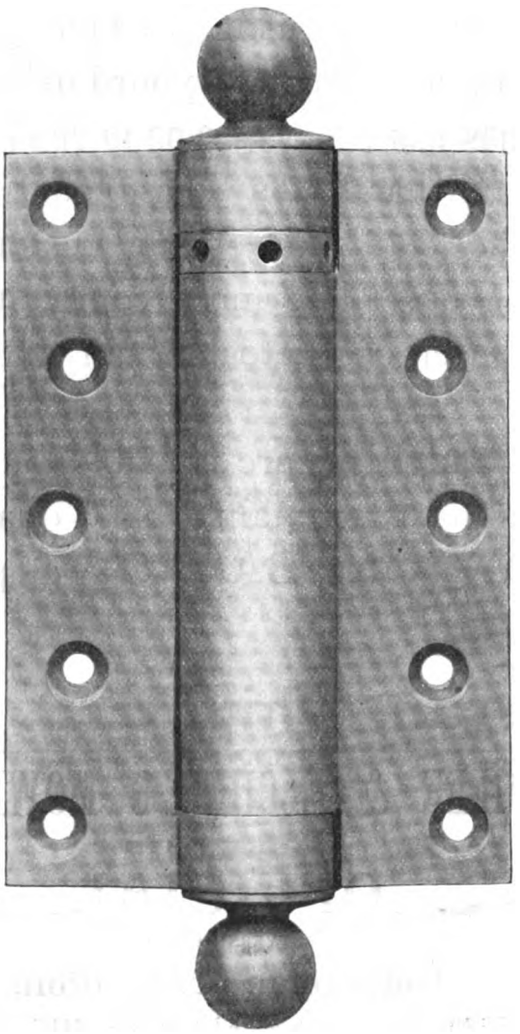
MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS, WHICH ARE UNEQUALED.

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NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

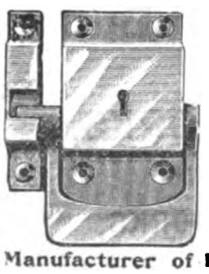
Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 83 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)



The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



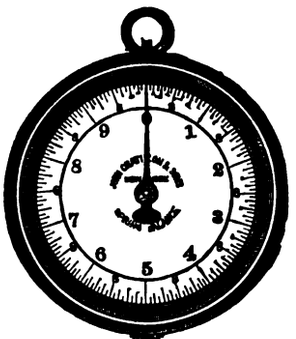
THIS FASTENER is the most complete one ever invented The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

P. J. CONROY,
PHILADELPHIA PA.

Manufacturer of **Refrigerator and Ice House Fasteners Hinges and Faucets.**

John Chatillon & Sons,

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ESTABLISHED 1835

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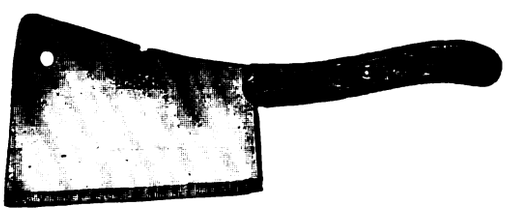
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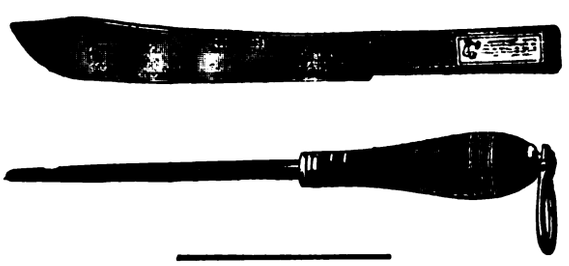
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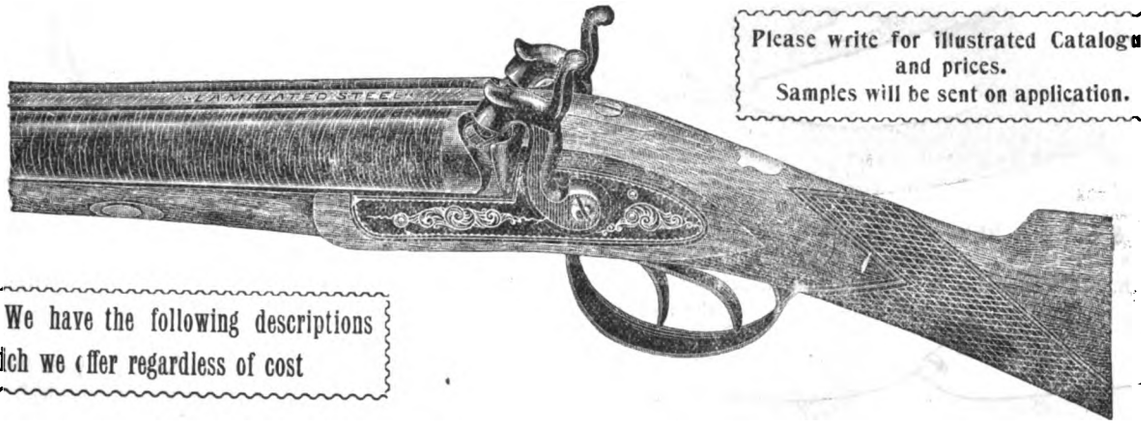


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85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

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Double Barrel Muzzle Loading Guns.



Please write for illustrated Catalogue and prices.
Samples will be sent on application.

We have the following descriptions which we offer regardless of cost

No. 200—Blued Barrels, back action locks. plain varnished stock, iron butt, bright locks and mountings.

No. 200 Bar.—Same as No. 200, but has **Bar Locks.**

No. 18.—Polished Blued Steel Barrels, bright, patent breech back-action locks, checkered grip, iron butt, walnut stock, bright locks and mountings, German silver escutcheons.

No. 1022 Bar.—Bernard Barrels, two gilt bands around breech, nickeled patent breech, bar locks, pistol grip. iron butt, German silver escutcheons, walnut stock, blued mountings, case-hardened locks, mullered pipes.

No. 1022 BA.—Same as above, except with BACK-ACTION locks.

No. 101.—Twist Barrels, patent breech, bar locks, round body hammers, German silver escutcheons, checkered grip, iron butt, walnut stock, blued mountings, case-hardened locks.

No. 101 PG.—Same as No 101, only with PISTOL GRIP.

No. 88.—Twist Barrels, nickeled patent breech, two gilt bands around breech, bar locks, engraved and nickeled, round body hammers, German silver escutcheons, checkered fore-end, checkered pistol grip iron butt, nickeled mountings, walnut stock.

Single Barrel

No. 79.—Blued Barrels, back-action lock, iron butt, varnished stock, bright mountings.

No. 79 Twist.—Same as No 79, but has twist barrels and pistol grip.

No. 900.—Boy's Imitation Twist Barrel, bar lock, iron butt, painted stock, blued mountings

No. 800.—Men's Imitation Twist Barrel, back-action lock, iron butt, painted stock, blued mountings.

ALFRED FIELD & CO., 93 Chambers Street, New York.

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It will contain information of the styles and prices for the trade.

Guns, Pistols, Rifles (including the Savage), Gun Sundries, Targets, Police Goods, Foot Ball Goods, Skates, Clothing, Gun Material, and everything pertaining to Gun Goods.

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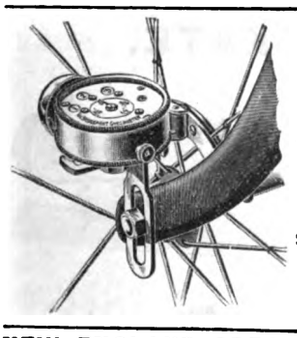
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BRIDGEPORT CYCLOMETER

At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

Rings a Bell at Every Mile.

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Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.

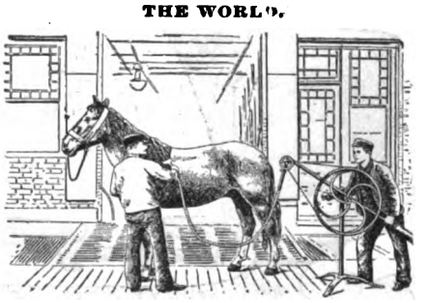


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THE CHEAPEST, STRONGEST, LIGHTEST

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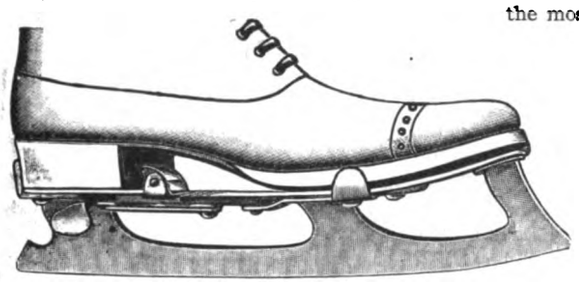
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PECK & SNYDER'S NEW AMERICAN CLUB SKATE.



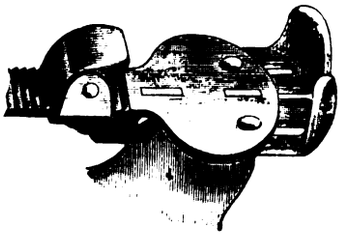
Peck & Snyder's NEW AMERICAN CLUB SKATE for 1895 has revolutionized the art of skate making. New American Club represents an entirely new heel clamp that will fit any heel instantaneously. The old method of clamping to the heel is entirely don away with. It cannot slip, is stronger, acts instantaneously, no screwing or adjusting necessary, saves time, and is without question the most perfect heel clamp ever invented.



MADE IN FIVE GRADES.

Peck & Snyder's New American Club Skate is the most perfect skate ever constructed. It has simplicity of adjustment, solid foot plates, solid heel clamps, and will fit any heel.

The Clasps Cannot Slip. Sure Grip. Thumb Screws and Sets entirely disregarded. It is Light, Handsome, and Twice as Strong as the old club skate.



HERE'S THE NEW CLAMP.

Ask your jobber to show you samples of the **"New American Club."** If he doesn't carry them, send direct to us for samples and prices. Handsomely illustrated catalogue of this skate mailed on application. Address

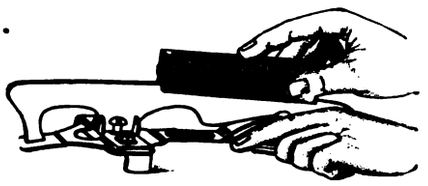
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LYNCH'S SKATE PLANE.



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"U. S." Club Skates

For Season of 1895 and 1896.

Manufactured by

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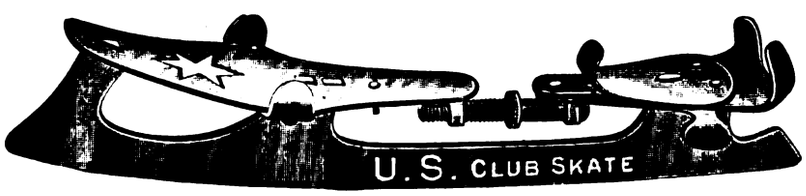


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OUR CATALOGUE is now ready and will be mailed on application. . . . . .

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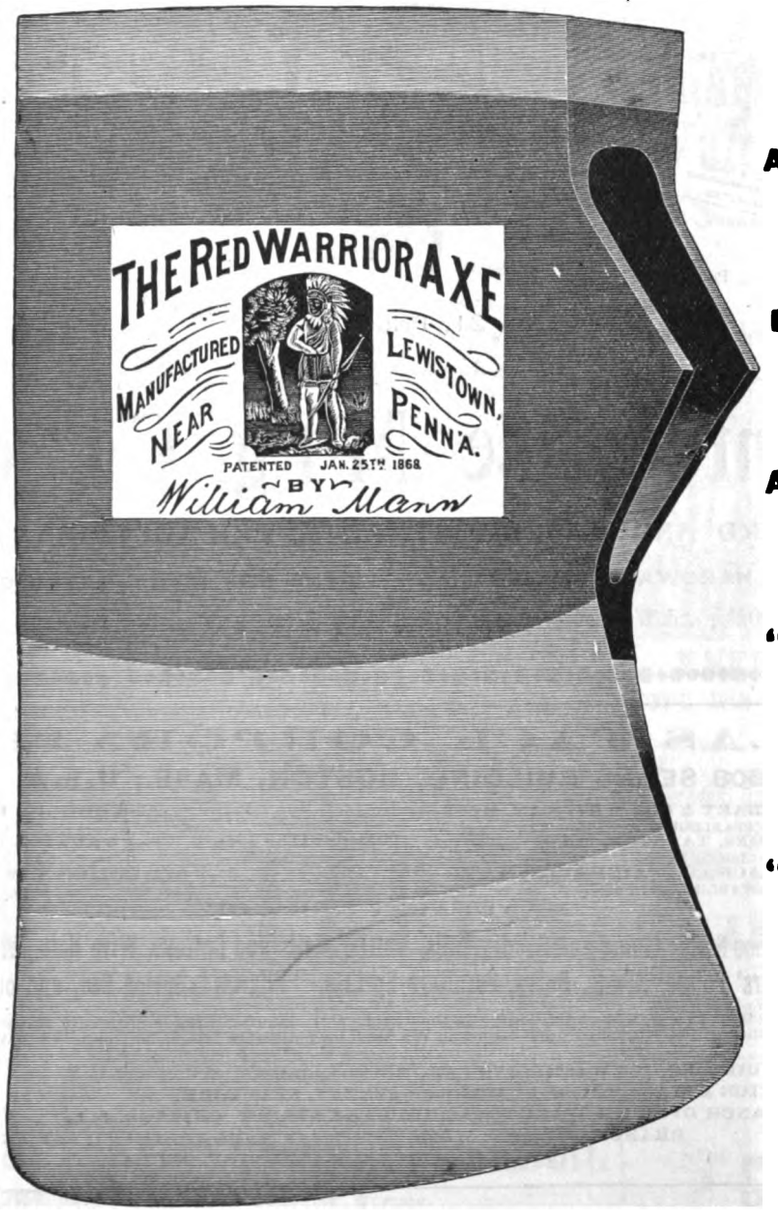
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- - Telephone Number, 1023 Cortlandt. - -

253 BROADWAY, - NEW YORK.

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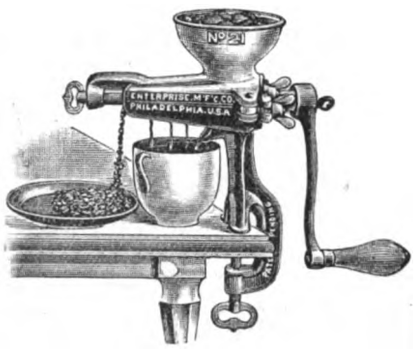


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No. 21, Price, $2.50.

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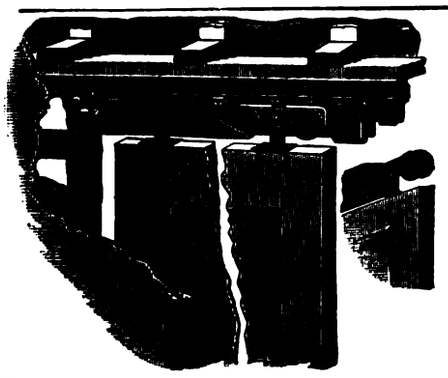


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The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

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SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

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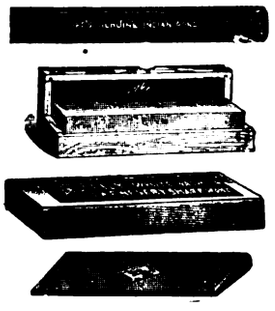
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But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

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Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

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HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

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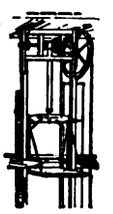
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is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

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149 Chambers Street,

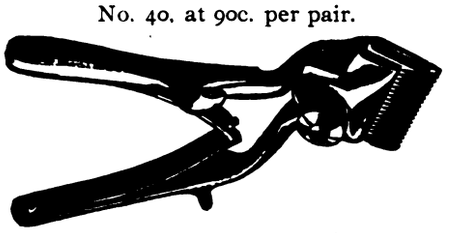
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S. Wilston's Toilet Clippers, Brown & Sharpe's Pattern, Concealed Spring, Cast Steel, Nickel-Plated, First Quality Goods.



No. 40, at 90c. per pair.



No. 30, at 75c. per pair.

S. Wilston's Horse Clippers, Cast Steel, Nickel-Plated, First Quality Goods.

No. 60, at 75c. per pair. No. 70, at 90c. per pair. No. 90, polished, at 85c. per pair.

The above Clippers are made by one of the best makers. Send along your orders for same. I have not the exact electrotype for above, but will guarantee them satisfactory in every way.

First Quality, English Steel Kitchen Knive.



At 30c. per doz., or $3.50 per gross.

Seymour's Nickel Shears, seconds, 8 inch, at $2.75 per doz., 9 inch, at $3.00 per doz.

Steel Carriage Clamps, First Quality.

All  *Large.*

Full sizes,	10	inch,	open	inches,	3	inch,	at $1.25	per dozen.
"	12	"	"	"	4	"	1.65	"
"	14	"	"	"	5	"	1.95	"
"	16	"	"	"	6	"	2.45	"

Have full line of Steel Shovels. Will have in a full line of Sleigh and Shaft Bells.

Bicycle Tire Cement, at $1.00 per doz. boxes, regular retail size which sells for 25c.

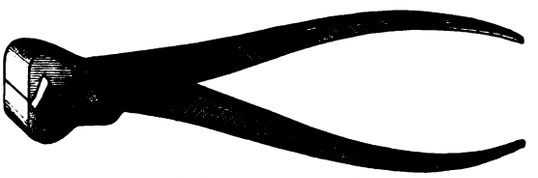
Bicycle Bells, medium size, made by New Departure Bell Co., first quality goods, at 50c. each.

Bicycle Lamps, med. size, japanned, with nickel face, at 50c. each.

Bicycle Lamps, medium size full nickel, at 75c. each.

16-inch Horse Rasps, $2.25 per doz. New lot.

***Steel, Full Polished Cutting Nippers,* First Quality.**



5½ inch, at $2.00 per doz.

Hand Vises, Steel, 4½ in., $1.75 per doz.; 5½ in., $2.25 per doz.

Steel, Second Quality Draw Knives, Assorted.



Sizes, 8, 9, 10 in., at $2.25 per doz.

Double Swing Razor Strops, Leather Handle.

First Quality—Job Lot—for Barber use.

No. 60, Large, Fine, at $3.00 per dozen.

No. 16, Leather Handle, for family use, at $1.30 per doz.

No. 30, for family use, black wood handle, at $1.50 per doz.

First Quality, Dailey, Todd & Co. Hand Saws, 26 inch, carved applewood handle, pat. ground, full width, blade set and filed ready for use, at $8.00 per doz.

A leading saw to sell to a mechanic, at $1.00 retail.

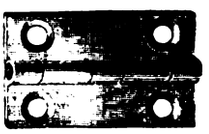
26-inch, hollow back saw, plain beech handle, at $6.00 per doz.

Also a very fine saw to make a leader to sell, at 75c. to $1.00.—Hand saws are assorted the best points, 7 to 9 points.

First Quality, Dailey, Todd & Co. Rip Saws, 26 inch, carved applewood handle, pat. ground, full width, blade set and filed ready for use, at $8.00 per doz.

The Rip Saws are assorted, best points, 4½ to 5½ points.

Price on Wrought Steel Butts.



Sizes,	1¼	1½	1¾	2		
Prices,	9	10	12	14c.	per doz. pairs.	
Sizes,	2½	3	3½	4	5	No. 808.
Prices,	18	22	23	48	50c.	per doz. pairs.

First Quality, Blue Steel Tacks, Carpet and Double Pointed.

No.	10	oz.,	75	double pointed tacks in each paper,		12c.	per doz.
"	11	"	75	"	"	13c.	"
"	12	"	75	"	"	14c.	"

First Quality, Steel Blued Carpet Tacks, 250 tacks in each paper, 10 oz., 19c. per doz. 12 oz., 21c. per doz.

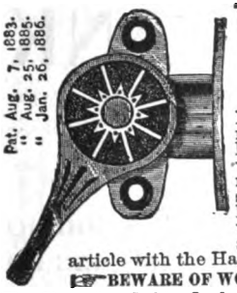
2 oz. Steel Carpet Tacks, ¼ weights, 7½c. per doz. 3 oz. ¼ weights, 8½c. per doz.

½ Weights, 2 oz., 13c. per doz. ½ Weights, 3 oz., 15c. per doz.

Everything but High Prices.

The above prices are all net, no charge for cases or packing. Send me a mail order at once from the above goods. I also have a Catalogue of a full line of Hardware, Cutlery, and House-Furnishing goods.

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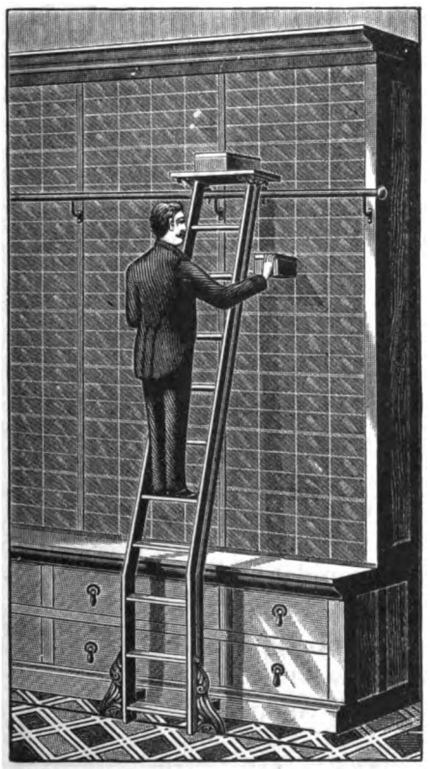
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The Champion Safety Lock Co., Cleveland, O.



The Bicycle Step Ladder

Especially adapted for Hardware Stores



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

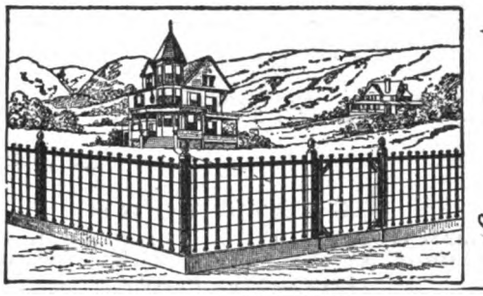
The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J HUSSEY & Co., 80 John St.

KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire,
Adj. Lawn Fence, Improved Picket
Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market.

Send for Illustrated Circular and price list.



Corn Husking Goods.

THE LARGEST LINE, BEST STYLES.

ASK THY JOBBER FOR BLAIRS.

BLAIR HUSKING GLOVE CO., Bucyrus, Ohio.



PIECED TIN WARE.

Not the Cheap John kind,

But Good Honest Tin Ware,

Made of Charcoal Tin

On Modern Improved Machinery.

Each Piece Guaranteed Against Leakage

And to give Good Satisfaction.

Is made by the

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St. Paul Ave. & 15th St.,

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OF THE CITY OF NEW YORK.

UNITED STATES DEPOSITARY.

Capital Stock, - - - - - - - $2,000,000.00
Surplus Fund and Profits, - - - - - - $581,853.09

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186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
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Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Clear Former
Mallets
Malleable Ears



Maneer's Bench
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Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
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Perforated Tin
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Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
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Tinners' Machine
Tinners' Tools
Universal Chimney Cap
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Water Cut-offs
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A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use Send for Book of Discount on these, and for list of Hay Racks, &c.

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53 Elm Street, Boston, Mass.

Howard Iron Works,

BUFFALO N. Y.

Manufacturers of

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Price Lists sent on application.

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Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "Diamond."**

The "Diamond" Skate Sharpener.

The only Sharpener on the market **that will do a clean,** smooth job. **HARDWARE DEALERS** sell one with **every pair of skates,** and hundreds to **people who already own skates.**

For sale by nearly all first-class jobbers, or will be shipped direct from our factory.



SAMPLE BY MAIL, 25 CTS.

SOMETHING ENTIRELY NEW!

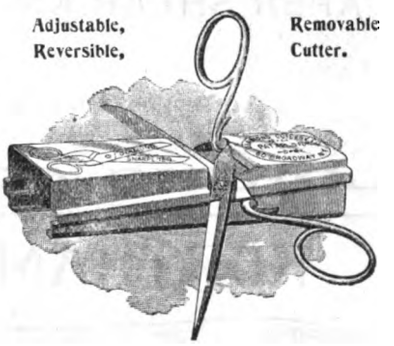
Every Boy Sharpens his own Skates.

See that Pivot

Fits the Curve of any Skate.

THE "DIAMOND" SHEARS and SCISSORS SHARPENER.

Best device for the purpose ever manufactured.

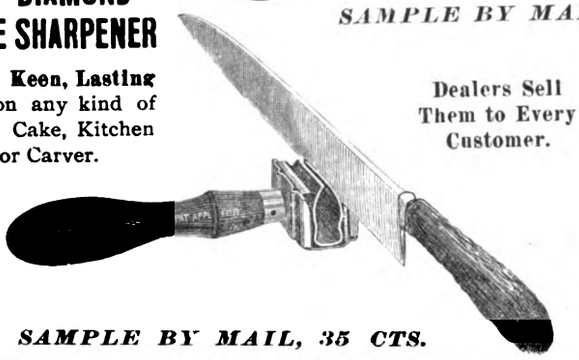


Adjustable, Reversible, Removable Cutter.

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Puts a **Keen, Lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.



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Dealers Sell Them to Every Customer.

All of these Articles are elegantly nickel - plated and packed one doz. in a box.

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F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
C. P. GOSS, Treasurer and Manager.

Scovill Manufacturing Company,

(Established A. D. 1802.)

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DEPOTS:
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BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

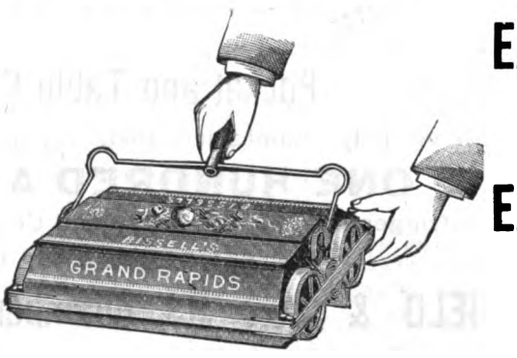
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☞ *Mention "Hardware" when you write.*

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EASY TO BUY
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85% of all the Carpet Sweepers used in the Entire World are **"Bissells"**

MANUFACTURED BY

BISSELL CARPET SWEEPER CO.,

(LARGEST SWEEPER MAKERS IN THE WORLD.)

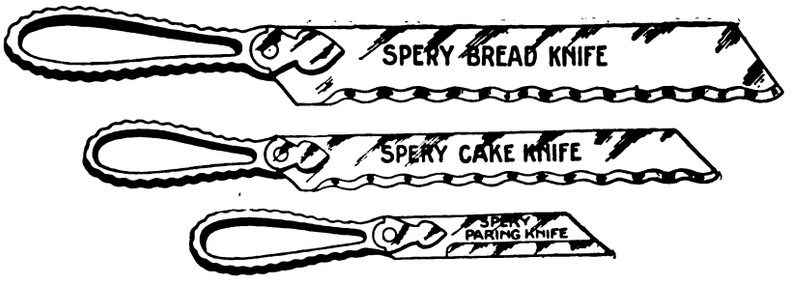
FACTORIES: Grand Rapids, Mich.; Toronto, Can.; Paris, France.

OFFICES: Main Office, Grand Rapids, Mich.
Export and Eastern Branch, 108 Chambers St., New York.
Branches: London, Paris, Boston, Hamburg, Melbourne, Rotterdam, and Agencies in Twenty Foreign Countries.

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We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made.

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street, DAVID EASTMAN, Manager.



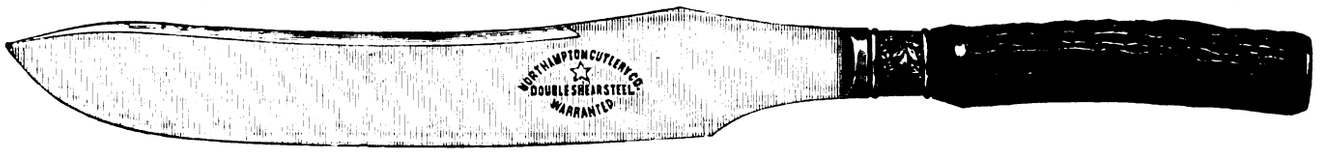
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METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

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NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

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—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

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Established 1836.

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ISAAC GREAVES,	SHEEP AND GARDEN SHEARS
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

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ARE YOUR SCISSORS DULL?

THE "HANDY" SCISSORS SHARPENER



Patent applied for

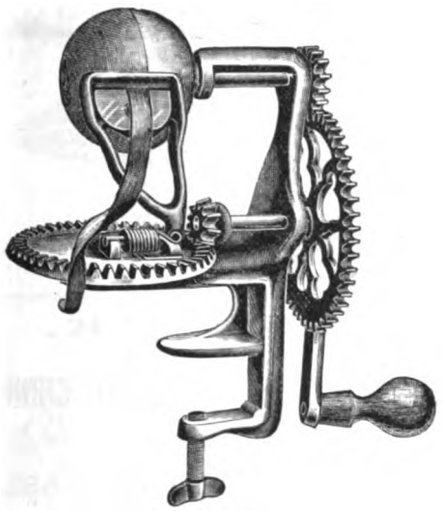
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No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute.

Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

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Apple Parers.

We have had 25 years experience in making Apple Parers and think we know how.

We make a larger variety and more than any other firm in the world. We make a specialty of Apple Parers for Evaporators, Bakers, etc., to pare, pare and core, or pare, core and slice, both hand and power.

Catalogue sent to any Dealer if wanted.

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COATES CLIPPER MFG. CO.,

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MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

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Power Clippers, both hand & mechanical.
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Barbers Adjustable,
The best made.

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Our '78 Apple Parer

is the most popular machine in the market. Get your orders in early.

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Manufacturers of **WIRE** in great variety.

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Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

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MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
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GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

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CHISELS | CARVING TOOLS
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"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
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Sold by Hardware Dealers Everywhere

Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
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BUCK CAST BROS. STEEL
BUCK BROTHERS

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Our Latest is the Ormonde



And bears the 

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WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

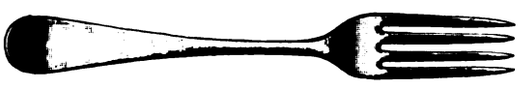
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Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



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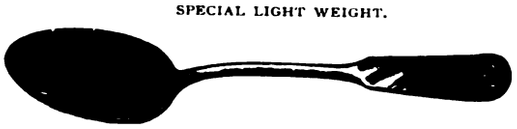


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No. 21. NICKEL SILVER SPOONS . . AND . . FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.



PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00

SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "H E Nickel Silver, No. 21."

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Wholesale Hardware and Farming Tools.

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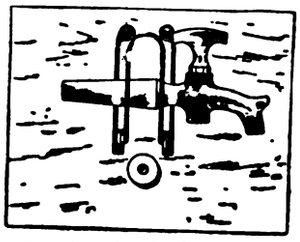
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The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them. Send five cents in stamps to the manufacturers for a sample.

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ESTABLISHED 1867

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Catalogues on Application

Send business card and mention "Hardware."

If you wish to learn something to your advantage, send for a sample copy of

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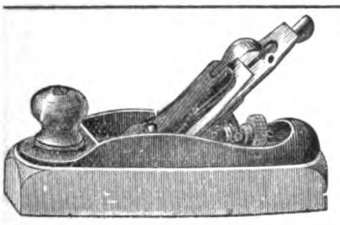
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In all styles and sizes for various purposes.

"BEST QUALITY ONLY."

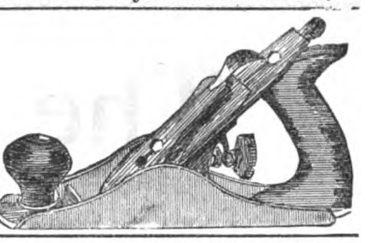


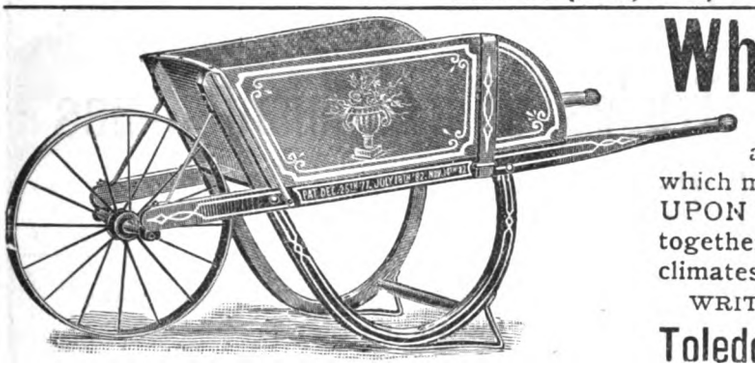
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of all Styles, of all Grades of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

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Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

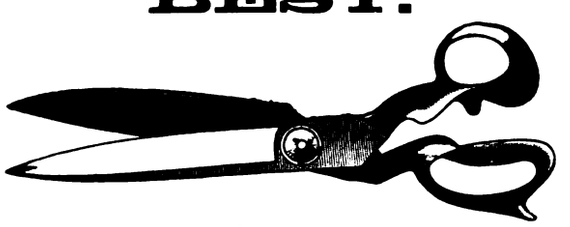
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Everything Required by the Cycle Dealer.



The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
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OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " "	50.00
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Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

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The Reference Book

OF THE

Hardware and Kindred Trades of the United States and Canada.

THE Book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

Hardware Dealers.
Dealers in Sporting Goods, Bicycles, Firearms, &c.
Agricultural Implement Dealers.
Stove Dealers.

Sent (Postpaid) on Receipt of

TWO DOLLARS.

CERTAIN marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, Stove dealers in another, etc. In most cases, in the Hardware list, are specified the special kind of Hardware handled, as Shelf Hardware, Cutlery, etc.

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WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
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THE -:- PARKER -:- GUN.



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TWO FAVORITES.

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THE REMINGTON HAMMERLESS.
Ten Styles.

Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

REMINGTON ARMS CO.,
Works, ILION, N. Y. New York Office Bicycle Dept., 313 and 315 Broadway.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.
GEO. J. WELLS, Agent,
88 Chambers St., New York.



Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three.

A 1,	$4.50	per doz.
No 2,	2 50	"
No. 3,	1.75	"
No. 4,	.90	"

J. H. SEED, Man'f'r,
21 & 23 Centre Street, New York.

BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.

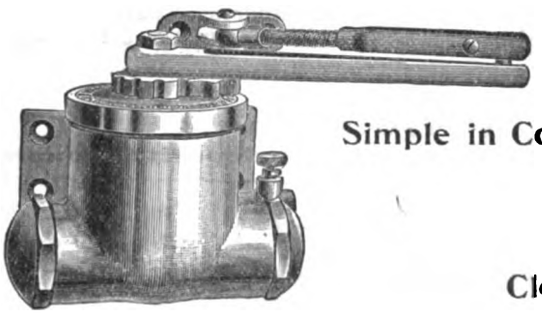


The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

WEEKS • AKRON, O

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BLOUNT DOOR CHECK.



A PERFECT DOOR CHECK AND SPRING.
Correct in Design.
Positive in Operation.
Simple in Construction.
Easily Attached.
Perfect Adjustment.
Easy Action in Opening.
Closes Door Absolutely without Slam.

THE YALE & TOWNE MFG. CO.,
General Offices, 280 Broadway, New York.
WAREROOMS:
NEW YORK, CHICAGO, PHILADELPHIA, BOSTON, BUFFALO, SAN FRANCISCO

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

BY a prominent Hardware house, a first-class clerk who understands the builders' department, competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B. Fox & Bro., No. 97 Chambers Street, New York City.

WANTED—Hardware salesman who has had experience in builders' Hardware and cutlery. Address Charles E. Adams, Lowell, Mass.

WANTED—A first-class builders' Hardware salesman, familiar with fine Hardware and plans; give particulars with salary expected. Address Boston, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man. Address Geo. Rome & Co., Carnegie, Pa.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

WANTED a position as buyer of mill supplies and assistant manager of help with a manufacturer, by an American, 38, with sixteen years' practical experience. A1 references. Address "Buyer," care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, 30 years old, twelve years' experience as salesman, desires a position in the Hardware, cutlery and sporting goods lines; well-knowh to the New York and Eastern buyers; good testimonials. Address L. E., care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "SALESMAN," HARDWARE, No. 143 Chambers Street, New Yo·k.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer. Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N. Y.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

YOUNG man, 27, desires position as Bookkeeper, correspondent, collector or salesman. Good references. Address J. C. H., P. O· Box 307, Newark, N. J.

WANTED—A position as retail Hardware clerk by a young man of 24 years of age, with five years' experience and best of references. A position in Southwest Missouri, Texas or the South West preferred. Address W. Lasar, No. 3004 Olive Street, St. Louis, Mo.

ENGLISHMAN (27) requires situation as traveler—comm'ssion or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' exp·rience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

WANTED a position as traveler for Hardware Specialties, by a man of ability and experience; salary or commission. Address E. W., No. 1810 N. 13th Street, Philadelphia.

POSITION as traveling salesman. Pittsburg and West Pennsylvania, for Wire, Tin-Plate, Cast or Wrought Iron Pipe. Best of reference and long experience. Address Ernest C Beatty, Box 897, Pittsburg, Pa.

A YOUNG Englishman (23) desires position in Hardware or cutlery, eight years' experience; 2½ London. Splendid references Wholesale or retail. James R. Bayley, No. 97 Varick Street, New York.

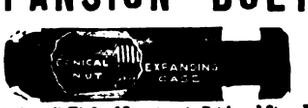
BUILDERS' and General Hardware and Rubber Goods.—Young man (34) with twelve years' experience and good executive ability, desires position. Thorough Bookkeeper, Correspondent, Salesman and Buyer. At present on the road. Competent to act as Manager or Agent for a reliable firm, as he is well known to the New York, Philadelphia and Eastern buyers Address "Cyclist," care HARDWARE, No. 143 Chambers Street New York.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods. Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as clerk or salesman. Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No. 143 Chambers Street, New York.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 La'ayette Avenue, Brooklyn, N. Y.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue. Toledo, O

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"SOLID STEEL"
ROYAL ENAMELED COOKING UTENSILS.

WE ARE THE MANUFACTURERS.

The Cleveland Stamping & Tool Co., - Cleveland, Ohio.

Write for Catalogue and Prices.

Situations Wanted.

YOUNG business man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

Side Line Wanted.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

Side Line Offered.

WANTED—Salesman to handle as a side line, a first-class line of pocket cutlery and scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address L. M. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED salesman to handle as a side line a first class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio.. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co , Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches. Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L., Room 1, No. 221 Fifth Avenue, Chicago, Ill.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

Agencies for Hardware Specialties Wanted.

AN old-established firm of advertising agents and contractors in the city of London, England, doing business with the leading advertisers of the United Kingdom, are open to accept sole agencies for the United Kingdom for embossed steel or enamelled iron goods, which are suitable for large advertisers, or any novelty in the advertising line for inside or outdoor exhibition. Apply by letter to C. A. H., Room 25, Times Building, New York.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No. 143 Chambers Street, New York.

Export Agency Wanted.

GENTLEMAN of wide experience and undoubted integrity will shortly remove to Germany, and desires to represent American manufacturers abroad. Propositions may be addressed to "Export," care W. H. H. Hull & Co., Tribune Building, New York.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

For Sale.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

For Sale or Rent.

A NEW, large manufacturing plant, hitherto used in manufacturing reapers and mowers, but well adapted to other uses; thoroughly equipped wtth machinery, tools and appliances of best modern make, all ready to steam up and run; at St. Louis Park, just outside of Minneapolis, Minn., with street car connections; the property being situated alongside of the Minneapolis & St. Louis, and Chicago, Milwaukee & St. Paul railroads with switch connections. For particulars address Geo. C. Squires, St. Paul, Minn.; C. F. Forster, 638 Rookery, Chicago, Ill., or John Little, Xenia, Ohio.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Addrees H. E. Colwell, agent; or E. Lambden, Jr., owner.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,
Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

Perhaps You Know All About It!

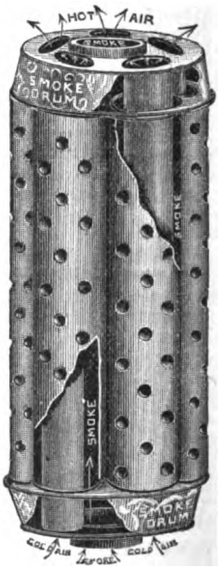


THE NEW ERA RADIATOR.—Its construction is very simple, but as a heat giver and a saver of fuel it surpasses all others.

Prices also are lower this year. Full particulars may be had by addressing

WILMOT CASTLE & CO.,

83 Elm Street, Rochester, N. Y.





NO MORE GARBAGE CANS

to poison the air and become a nuisance. All the kitchen refuse turned into fuel for the morning fire quickly, cleanly and easily by the

HOUSEHOLD GARBAGE CARBONIZER.

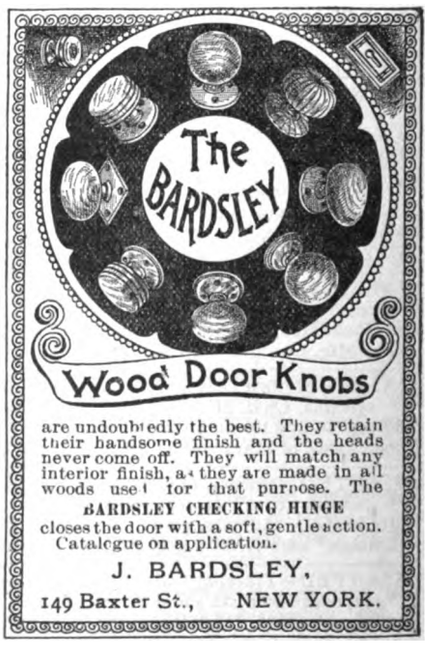
A practical, simple, efficient sanitary and inexpensive device, that converts the garbage into charcoal without offence or trouble, and with no interference with the stove or the draft.

Endorsed by Sanitary Authorities.
Recommended by Health Officials.
Adapted to any style of Stove or Range, and for any Family or Building.

SEND FOR CATALOGUE.

W. F. MORSE & CO.,

58 Pine Street, NEW YORK.



are undoubtedly the best. They retain their handsome finish and the heads never come off. They will match any interior finish, as they are made in all woods used for that purpose. The

BARDSLEY CHECKING HINGE

closes the door with a soft, gentle action. Catalogue on application.

J. BARDSLEY,

149 Baxter St., NEW YORK.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.



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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....37 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.35&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'te...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₩ 1000—

B.E., 11 up.	60c.	B.E., 9&10... 70c
B.E., 8.....	80c.	B.E., 7..... 80c.
P.E., 11 up.	1.00.	P.E., 9&10.. $1.25
P.E., 8....	1.50.	P.E., 7..... 1.50

20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag.....$1.75
Dust Shot, 5-lb bags, ₩ bag....$ .40

POWDER—
Laflin & Rand:

Rifle extra, kegs	25 lb	$3.25
	12½ lb	1.90
	6¼ lb	1.10
Rifle special, kegs	25 lb	4.25
	12½ lb	2.40
	6¼ lb	1.35
Creedmoor, kegs	6¼ lb	1.10
Ducking, kegs	6¼ lb	3.00

[For 1 lb lots 10% discount.]

Blasting and Mining, A..	25 lb	2.00
Blasting and Mining, B..		1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1 50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Anvils—

Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

Auger Bit Association.70&10@75&5%
Second Quality Goods.....30&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood, 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..30%
Cincinnati Expansive.....25&10&10%
Sargent's Expansive.....30&10&10%

GIMLET BITS—
Diamond ₩ doz. $1.25.....45&10%
Double Cut, Shepardson's.45& 10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....25@25&10%
Snell's.....25&25&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..25&20%

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5 $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50@$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern..40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.40 & 10@50%
Hunt's, Underhill's or Blood's... 40&10@50%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances.40& 10@50%
Common 24 lb.....₩ doz. 80c net.
Circular Spring Balances....50&10%

No.	2000	30	30
Chatillon's ₩ doz.	$10	95c	$1.75 net
Chatillon's Spring Bal.			40@40&10%
Chatillon's Cir. Sp'g Bal.			50&10%
Ice			50&10%

Beef Shavers—

Enterprise.....25%

Bells—

HAND—
Light Brass.....70& 10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....35%
Francis Keil & Son Trip Gongs...50%

DOOR—
Multi-Stroke.....50%
Gong, Adde's.....33⅓&10%
Gong, Yankee.....40&10%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....35&10%
Crank, Brooks'.....35%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&5%
Pull, Brooks'.....50&10&5%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....30&10%
Western, Sargent's list.....70&10%
Kentucky, "Star".....30&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....30&10%
Cleveland Rubber Co.:
War, 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....30&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3: No. 3, $2.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7½x2½x1, ₩ doz. $11.00.....50%
9x2½x1, ₩ doz. $12.00.....50%

Bit Holders—

Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&5%
Zimmerman's.....40%

Blind Fastenings and Tenons—

Millers Falls ₩ set $.....20%
Austin & Eddy ₩ gro. sets.....$5.50
Orhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1.00..2?@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55& 1?%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&1?@75&10 & 5%
Cast Iron Shutter Bolts..75& 10@75& 10&5%
Cast Iron Chain (Sargent's list). 65& 10@65&10& 5%
Ives' Patent Door Bolts...60 & 10 & 5@ 60&10&10%
Wrought Barrel.....75& 10@80%
Wrought Square.....75 & 10@80%
Norwich Lock Mfg. Co. list.....80%
Wr't Shutter, all iron, Stanley's. 60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 60&5%
Wr't Sunk Flush, Sargent's list. 60@10%
Wr't Sunk Flush, Stanley's list. 60@60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com, Jan 30, '95 70& 10& 5@70& 10& 10%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila. pattern, list Oct. 7, '84.....80%
R. B. & W., old list.....70&10%
Machine list Jan. 30, '95.....75&10%
Bolt Ends, list Jan. 31, '95. 80@80&5%

TIRE—
Common, list July 1, '95.....70&10%
American Screw Co:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%

STOVE AND FLOW—
Stove.....70%
Plow.....10& 10& 10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....70%

Bone Mills—

Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75..... 50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 5% 10&5%
Other Machines....	2.25	2.50..... net
Phillips' Patent with Augers.....	7.00	7.50 ...
Millers Falls.....		7.50 .... 25%

Bow Pins—

Humason, Beckley & Co.'s 7 @70&10
Sargent & Co.'s $17 and $18.50.60& 10@ 60&10 & 5%
Peck, Stow & W. Co. 60& 10@60& 10&10%

Braces—

Barber's.....50& 10%
Barker's.....75& 10@80%
Barker's plated.....70& 10%
Spofford's.....50& 10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@65& 10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....70@70&75%

Amidon's:

Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $3.10; 10 in. $3.35
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 28, 37.....70&10&5%
Ball Braces, net. ₩ doz. $1.15@$1.35
Millers Falls.....35%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.70@70&10%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90&10@90&10%

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Bull Rings—
Union Nut Co. 55%
Sargent's 80@80&10%
Seymour Smith & Sons, low list 30%
Humason, Beckley & Co.'s 80@80&10%
Peck, Stow & Wilcox Co.'s 60@60&10%

Butcher's Cleavers—
Bradley's 35@30%
L. & I. J. White 35%
Beatty's 40&5@40&10%
New Haven Edge Tool Co.'s 40%
P. S. & W. 33⅓&5@33⅓&10%
Dunlap's Family 35%
Foster Bros. 30%

Bung Hole Borers—
Enterprise 25%

Butter and Cheese Tryers—
Ordinary 35%

Butt Gauges—
Stanley's 20&10%

Butts—
BRASS—
Wrought Brass 80&10@80&20%
Cast Brass, Tiebout's Fast Joint 50%
Cast Brass, Tiebout Ice House 40%
Cast Brass, Corbin's Fast 33⅓&10%
Cast Brass, Loose Joint 33⅓&10%
Cast Brass, Francis Keil & Son 40%
Norwich Lock Mfg. Co. Bronze 30%
CAST IRON—
Fast Joint, Narrow 60@60&10%
Fast Joint, Broad 60&10@60&10&10%
Loose Joint 75&10@80%
Loose Joint, Japanned 75&10@80%
Loose Joint, Jap. with Acorns 75&10@80%
Parliament Butts 75&10@80%
Mayer's Hinges 70@10@80%
Loose Pin, Acorns 75&10@80%
Loose Pin, Acorns, Jap. 75&10@80%
Loose Pin, Acorns, Japanned, Plated Tips 75&10@80%
WROUGHT STEEL—
List, April 1, 1895.
Narrow, No. 800
Narrow, Loose Joint, No 802
Loose Joint, No. 806
Reversible, No. 804
Broad, No 808
Table, No. 810
Back Flaps, No. 814
Square Back Flaps, No. 816
Pew Door, No 818
Chest, No. 820
Reversible, with Steeple or Ball Tips, Nos. 822, 823
Light Reversible, with Ball Tips, No. 824
Extra Light, No. 826
Light Reversible, No. 834
Light Loose Joint, No. 836
Wardrobe, Ger. Pat. No. 837⅓
Light Narrow, No 838
Loose Pin, Light Nar., No. 840
Light Inside Blind, No 842
Light Inside Blind, Beveled Edge, No 843
Light Inside Blind, Loose Pin, No. 844
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846
Light Inside Shutter, No. 848
Parliament, with Steeple or Ball Tips, Nos. 828, 829
Parliament, No. 830
Light Parliament, No. 832
} 75%

Can Openers—
Messenger's Comet ₩ doz $3.00, 25%
American ₩ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00 35%
A. S. Henn 50&10%
Dunlap's Wood Handle No. 2 $1.75, 35%
No. 5, Iron Handle, ₩ gr. $6 45@50%
Eureka ₩ doz. $2.50 10%
Sardine Scissors ₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00 25%
Star ₩ doz. $2.75
Sprague, No. 1, $3.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00 50&10%
Electric Rotary Expansive, ₩ gr $9.00
Goodall's Acme, ₩ gr. $6.00; ₩ doz. 75c
Universal, ₩ doz. $3.00 55&5%
Domestic, ₩ doz. $3.00 45%
Champion, ₩ doz. $3.00 50%
New Scott Mfg. Co.'s list 30&10%
Leavitt's Common Sense ₩ gro $7.00 50%
Kohler's Cyclone ₩ doz. 75c
Kohler's Lightning ₩ doz. 90c
Moore's 75%

Cards—
Horse and Curry 20@25%
Cotton 2@25%
Wool 2@25%

Carpet Stretchers—
Cast Steel, Polished ₩ doz. $2.25
Cast Iron, Steel Points ₩ doz. 85c 20%
Bullard's 20%
Dunlap's 25%
Wm. Johnson's Socket 50%

Carpet Sweepers—
Bissell's:
Grand ₩ doz. $36.00
Gold Medal ₩ doz. $27.00
Prize ₩ doz $27.00
Premier ₩ doz. $27.00
Superior ₩ doz. $27.00
Cosmopolitan ₩ doz. $27.00
Furniture Protector, Japanned ₩ doz. $24.00
Furniture Protector, Nickel ₩ doz. $27.00
Inter Ocean ₩ doz. $27.00
Hall ₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1 ₩ doz. $21.00
Domestic, No. 2 ₩ doz. $22.00
Excelsior ₩ doz. $22.00
Garland ₩ doz. $18.00
Grand Rapids, Jap. ₩ doz. $24.00
Grand Rapids, Nick. ₩ doz. $27.00
Housewife's Delight ₩ doz. $15.00
Improved Parlor Queen Japanned ₩ doz. $24.00
Improved Parlor Queen Nickeled ₩ doz. $27.00
Standard ₩ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Casters—
Bed, Plate, Shallow Socket } 60&10@70%
Deep Socket 60%
Martin's Patent (Phœnix) 60@60&5%
Tucker's Patent, low list 50@50&5%
Yale Casters, list May, '84 50%
Yale Gem 70%
Giant Truck Casters 35%
Stationary Truck Casters 60%
Socket Truck Casters 60%
Swivel Truck 60&10&10%
Store 55%
Gwinner's Common Sense 50%
Gwinner's Hercules 50%

Catches and Turns—
Cupboard Catches 70&10&10%
Transom Catches 60%
Cupboard Turns 60%
Close Catches 70&10%
Screen Door Latches 70%
Screen Door Catches 50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches 50%

Cattle Leaders—
Coverts Saddlery Works 33⅓%
Humason, Beckley & Co.'s 70&10@70&10&10%
Sargent's 70&10@70&10&10%
Seymour Smith & Sons 30%
Peck, Stow & W. Co. 66⅔%
COW TIES—
American 60&10%
Triumph 33⅓%
Covert's Horse and Cattle:
Jute 33⅓%
Manilla 33⅓%
Sisal 33⅓%

Chain—
Trace, 6½-10-2, ₩ pair, $1.05 60&10%
Trace, 6½-10-3, ₩ pair 92c 60%
Trace, 7-10-3, ₩ pair $1.11 60%
Log, Fifth Stretcher, other fancy Chains 60&10&5@60&10&10&5%
Covert Mfg Co. 45%
German Coil 60&10%
German Halter Chain 60&10%
Oneida Halter Chain 60@60&5%
Covert's Rein Chains 33⅓%
Covert's Breast Chains 33⅓%
Covert Mfg. Co. Breast Chains 45%
Covert's Hitching Chains 33⅓%
Galvanized Pump Chain ₩ lb 6c
Jack Chain, Iron 75@75&5%
Jack Chain, Brass 60%
Plumbers 60%

Cherry Stoners—
Enterprise 25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W., New Haven, Witherby, Mix } 80@80&10%
C. E. Jennings & Co 25%
Douglass 75@75&10%
Buck Bros 30%
Merrill 60&10@60&10&10%
Jennings & Griffin Mfg. Co 60%
TANGED AND MISCELLANEOUS—
Tanged Firmers 40&10%
Butchers' $4.75@$5.00 to £
Spear & Jackson's $5 to £
Buck Bros 30%
C. E. Jennings & Co 20%
Jennings & Griffin Mfg. Co. Drawing Knives 70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge 40%
Cold 60%
Box 60&10%

Chucks—
Beach Pat. each 3 00 30%
Morse's Adjustable, each $7.00 20@20&5%
Danbury each $6.00 30@30&5%
Syracuse, Bals Pat. 30%
Skinner's Pat. Drill Chucks 30%
Skinner's Ind't Lathe Chucks 30%
Skinner's Pat. Comb. Chuck 40%
Drill 30%
Star 25%
Barber 25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50 25%
Combination 40%
Universal 40%
Independent 40%
Whiton's Combination 40%
Independent 50%
Cushman's:
Combination 40%
Independent 50%

Clamps—
R. I. Tool Co.'s Wrought Iron 25%
Adjustable, Cincinnati 25&10%
Adjustable, Hammers 15@15&5%
Cabinet Makers, Sargent's 70&10%
Carriage Makers', Sargent's 75@75&5%
Carriage Makers' P. S. & W. Co. 40&10%
Eberhard Mfg. Co. 40&5@40&10%
Warner's 40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's 30%
Jennings & Griffin 40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper) $3.50
Clarke's (Imported) 3.50
Albion L (for left hand) 3.50
Foxhall 3.50
Autocrat (centre fly nut) 3.50
Peerless (horse toilet) 4.00
Newmarket 3.50
Triumph (Ball bearing), horse toilet 4.00
Keystone (Ball bearing), centre fly nut 5.00
American (double cutting plate) 5.00
Lexington 3.50
Advance 2.50
Globe Reversible (Ball bearing) 6.00
Republic 3.75
Double Diamond (reversible plate) 5.00
Dictator 3.50
Empire 3.75
Regent Toilet (for horse) 3.00
La Belle Toilet (for horse) 3.00
} 25%

Clips—
Norway Axle 70@70&5%
Spring Bar Clips 60&10&10@70&10%
Superior Axle Clips 70@70&5%

Coffee Mills—
Box and Side 60@60&10%
Am. Enterprise Mfg. Co. 25%
The Swift, Lane Bros. 30%
Wapdell's New Box Mills, Ideal Brand, New List 60@60&10%
Logan & Strobridge Iron Co. 60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers 65%
Brown & Sharpe Micrometer 25&10%
Calipers, Wing 60%
Inside or Outside 65%
Double 65%
Call's Pat. Inside 55%
Stevens's "Ideal" 25%
Stevens's "Leader" 55%
Starrett's Fay's Patent Spring Calipers and Dividers 25%
Wright's Graduating 15%
Brown & Sharpe 20%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers 40%
Wing Calipers 70%
Inside, Outside and Double 70%
Registering 50%

Coopers' Tools—
Bradley's 20%
Barton's 20@20&5%
L. & I. J. White 20&5%
Albertson Mfg. Co 25%
Beatty's 33⅓%
Sandusky Tool Co. 25&10@30&10%
Shaves, Cincinnati Tool Co. 20%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
Williamson's 33⅓%
Detroit Cork-Screw Co. 33⅓%
Howe Bros. & Hulbert 35%
Samson ₩ doz $10.00

Corn Huskers—
Hubbard's Solid Steel ₩ gr 6.00 33⅓
Perkins Boss:
Stylee A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters ₩ doz. 75c
Mittens ₩ doz. $1.50
Ashtabula ₩ gro. $3.50
Brinkerhoffs ₩ gro. $15.00
Buckeye ₩ gro. $4.00
Cleveland ₩ gro. $7.50
Johnson's ₩ gro. $6.50
Universal ₩ gro. $15.00

Corn Knives and Cutters—
Bradley's 10%
Wadsworth's 25@25&10%

Counter Sinks—
Adjustable 20%
Shepardson's Diamond 40@45%
Einwachters 60&10%
Wheeler's Patent 40%

Crayons—
Sargent's List 20%
Dixon's
Eclipse ₩ gro. $3.75
Emerald ₩ gro. 5.00
Oriole ₩ gro. 5.00
Rainbow ₩ gro. 2.81
Solid ₩ gro. 7.50

Curry Combs—
Spring, Jap'd ₩ doz. $1.75; Blued, $2 25; Nickeled, $3.00.
Rubber, ₩ doz. $7.50 20%
Perfect 33⅓
F. E. Kohler & Co.'s Magic Oscillating ₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net $1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz. 40&10%
Nickeled Shank 4 4½
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz. 40&10%
Buffalo Damper Clips 40&10%
Crown Damper 40%
Excelsior 40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment) 40%
Leather (full assortment) 50&10%
Medford Fancy Goods Co. list 40%
Keystone Mfg. Co.:
Low List 50%
Leather Muzzles 50&10%

Door Checks—
Bardsley's 20%
Sargent's Eclipse 55%
Shaw's 40%
Unity F. G. 50%
Quinn's Royal 50%

Door Openers, Electric—
Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list $35.00
SPARK COIL—
Stanley & Patterson $4.00 50%
Stanley & Patterson "Daisy" $1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan. 1892 33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00 20%
Warner's 55@55&5%
Gem (Coil), list April 19, 1886 20&20%
Star (Coil), list April 19, 1886 20&10%
Foster's (Coil) 20%
Champion (Coil) 55&10@55&10&5%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00 50@50&10%
Rubber, complete, ₩ doz. $6.50. 66⅔@70%
Quinn's Royal 50%

Drawer Pulls—
Sargent's List 60%

Drawing Knives—
Witherby, Jennings & Griffin, P. S. & W., Mix, New Haven } 80@80&10%
Merrill 60&10@60&10&10%
Douglass 75@75&10%
Watrous 15&10@25%
L. & I. J. White 20&5@25%
Bradley's 35%
Adjustable Handle 25@33⅓%
Wilkinson's Folding 35@35&5%
Hinsdale 75&5%

Drills and Drill Stocks—
Blacksmiths' each $2.25
Breast, P. S. & W. 33⅓&10%
Breast, Wilson's 30&5%
Breast, Millers Falls 25%
Breast, Bartholomew's each $3.50 25&10@40%
Ratchet, Merrill's 30@30&5%
Ratchet, Ingersoll's 25%
Ratchet, Packer's 35%
Ratchet, Whitney's 20&10%
Ratchet, Weston's 20@25%
Ratchet, Moore's Triple Act. 25@30%
Ratchet, Billings' Dble. Acting 33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00 20&10%
Wilson's Drill Stocks 10%
Automatic Boring Tools $2.00, 25%
Stearns' Bench 60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover ₩ doz $3.00 60%
National, ₩ doz $4.50 33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.) ₩ doz $1.25
Rival (Standard Co.) ₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral ₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone 33⅓%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, FFF.
Kegs, ₩ lb.	4½c	5c	2½c
½ kegs, ₩ lb.	4½c	5½c	2¾c
¼ kegs, ₩ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890 60%
Brass 65%

Enameline—
No. 4, ₩ gro $4.50
No. 6, ₩ gro $7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890 60%
Brass Thread 65%
Wood 25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key 40%
IXL., 1st quality, Cork Lined 30%

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Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat.. Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓&5%
Starr.....60%
Frary's Pat. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3.50	$4.00
Dairy Pails, 14 qt. $3.33..		4.00	
Fire Pails, No. 2, 14 qt. $4 00	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x, 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5.50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3.50	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)	3.50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed)	3.50	4.00	4.50
Spittoons, 10 1nd 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—
DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c 60&10%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagle.....60&10&10@70%
American.....60&10&5@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't'd 50&10%
IMPORTED—
Moss & Gamble, List April 1, 1893..15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—
Seed's Water Filters:
A 1, $4.50 | No. 2, $2.50 | No. 3, $1.75 | No. 4, $ .90 ₩ doz.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Scissors—
List.....45%

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Ohio.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—
Standard List:

No	0	1	2	3	4
₩ doz	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
₩ doz	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—
Dodd's Liquid Glue.....25&25&5%

Glue Pots—
Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Graters—
Enterprise.....25%

Grindstones—
Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hafts—
Britton's.....₩ doz. $6.50

Halters—
Covert Mfg. Co.....45%
Covert Saddlery Works, List 1893.
Rope, ½ in. Jute.
Rope, ½ in. Hemp.
Web and Rope Halters.
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 40%
Upson & Wooding.....40%

Halter Leads—
Covert Mfg. Co.....45%

Hammers—
HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co.... } 40&10@50&10%
Humason & Beckley... }
Atha Tool Co.....
C. Hammond & Son, List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ₩ doz. Nos. 1, $3; 2, $6.....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....45%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%
HEAVY HAMMERS AND SLEDGES—
Under 3 ℔...₩ ℔ 45c
3 to 5 ℔.....₩ ℔ 36c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c
Wilkinson's Smiths...10½c@11c₩ ℔

Hammock Ropes—
Covert Mfg. Co.....45%

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:
Nos..... 0 1 2 3 4
Per doz.....$ .90 1.00 1.18 1.35 1.50
60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%
STORE DOOR HANDLES.—
Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 8.00
} 30@50%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted ...₩ gr 5.00
Auger, large.....₩ gr 7.00
} 30@ 30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—
Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ₩ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Lightning. Mfrs' price ₩ doz $18.00, 45%
Gem.....₩ doz $10
Wadsworth's.....40%
Carter's Needle..₩ doz $11.50@12.00
Heath's.....₩ doz $13.50@14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....80%
Corrugated Strap and T.....80%
Hart's Pat. Heavy Strap.....80%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hood... { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c

Screw Hook and Eye. { ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔.....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
J. S.....35&10%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.00
New Idea ₩ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....30%
Barker's Double Acting...35@25&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@30%
Chicago.....30%
Wiles.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....60%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....30&10%
Victor.....60%
Torrey.....30%
Rubber.....66⅔%

GATE HINGES—
Western.....₩ doz $4.40, 60%
N. E.....₩ doz $7.00, 55%
N. E. Reversible, ₩ doz $5.30, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....₩ doz $5.00, 55&10%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....30%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&5%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 2, 3, 40 and 50.....30%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....30%
Buffalo.....30%
Clark's Genuine Pattern.....30%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&5%

Hitching Cords—
Covert Mfg. Co.....45%

Hoes—
HANDLED—
Garden, Mortar, &c.....70%
Planter's Cotton, &c.....70%
Warren Hoe.....65%
Magic.....₩ doz $4.00
Dunlap's:
Boys' hoes.....₩ doz $3.00, 30%
Ladies' hoes.....₩ doz $3.00, 30%
Scuffle.....30%

EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....
Meriden Britannia Co.....
Simpson, Hall, Miller & Co..
Rogers & Brother.....
Hartford Silver-Plate Co.
William Rogers Mfg. Co.
} 40&5%
} 40&5&5

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Hooks—
CAST IRON—
Bird Cage, Sargent's list / Bird Cage, Reading.... / Clothes Line, Sargent's list. } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's: 8 in. $2.20 net; 10 in. $2.70 net ₩ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@7%&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	....15%
American	9¾	9¾	9¾	9¾	9¾	....net
Ausable	28c	26c	25c	24c	23c. 40&5&5&2%	
Clinton Fin.	19c	17c	16c	15c	14c. 30&10%	
Essex	28c	26c	25c	24c	23c. 40&10&5&2%&2%	
Lyra	19c	17c	16c	15c	14c. 40&10%	
Snowden	19c	17c	16c	15c	14c. 40&10%	
Vulcan	28c	21c	20c	19c	18c.	....25%
Northw't'n	28c	26c	23c	21c	20c. 25@25&5%	
A. U.	25c	23c	22c	21c	21c. 25&10@33⅓&5%	
C. B. K.	25c	23c	22c	21c.	21c 33⅓@33⅓&10%	
Maud S	25c	23c	22c	21c.	21c 40&10&5%	
Champlain.	28c	26c	25c	24c	23c 40&5&5&2%	
Saranac	23c	21c	20c	19c	18c. 40&5%	
Champion	25c	23c	22c	21c	20c. 10&10&10%	
Capewell	19c	18c	17c	16c	16c. 10&5%	
Anchor	23c	21c	20c	19c	18c.	....25%
Western	25c	21c	20c	19c	18c.	....50%
Empire Bronsed						13@14c ₩ ℔

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co.....45%

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Husking Gloves—
Blair Husking Glove Co.:

No. N R. G. Gloves	₩ doz.	$12 00
No. 025 Gloves	₩ doz.	4.50
No. 125 Gloves	₩ doz.	6.00
No. 150 Gloves	₩ doz.	9 00
No. 155 Gloves	₩ doz.	8.00
No. 146 Gloves	₩ doz.	9.00
No. 152 Gloves	₩ doz.	7.50
No. 142 Gloves	₩ doz.	7.00
No. 148 Gloves	₩ doz.	6 00
No. 052 Gloves	₩ doz.	8.00
No. 147 Gloves	₩ doz.	4 50
Wrist Supporters	₩ doz.	.75
No. 160 Husking Pin	₩ gro.	7.00
No. 165 Husking Pin	₩ gro.	10 50
No. 170 Husking Pin	₩ doz.	2.00

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20.....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick.....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3 60	$5.40	$9.00	$10.80	$12.60
Each.	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen.	$14.40	$18.00	$20.64	$23.40	
Each.	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen.	$27.00	$32.40	$41.58	$49.50	
Each.	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen.	$65.34	$79.20	$106.90	$136.62	
Each.	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen.	$5.40	$9.00	$10.80	$12.60
Each.	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen.	$14.40	$18.00	$20.64	
Each.	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen.	$23.40	$27.00	$32.40	
Each.	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys...₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@33⅓%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '86.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....65&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....30&5%
Imperial.....30&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz $12.00 $15.00 $24.00..40%
No. 4, $7.00 each.....33⅓%

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5%40&10%
Wood No. 2.....₩ doz. $3.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..30%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....25c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '93. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '94, revised Jan. '95.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dists. Nos. 51 to 63.....40%
Dists. Nos. 86 to 96.....30%
Stoddard Lock Co:.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c. Nos. 100 to 595..15%
A. E. Delts.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 1c9 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....30%
No. 427.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$80

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$3.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$2	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $36.00

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....35%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$7.50
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 25%
Humason's.....50&10%
Dunlap's.....30%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $3.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T.....4.80c
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔, net.
Tapped.....50%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 35c
Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....13.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....13.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%
OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔..... .70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x½ to 1¼, ₩ ℔..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5¼x1¼ to 2x¾ to 1, ₩ ℔.....2.80
No. 1. 5¼ to 8x1¼ to 2x¾ to 1, ₩ ℔.....3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 1¼, ₩ ℔.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅛ to ⅝ ₩ ℔.....4.0

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 3x2x¾ to 1¼, ₩ lb .06
Washita Finish, about 3x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1⅛ to 2x½ to ¾ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1⅝ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x⅛ to 1 ₩ lb..... .10
Special Axe, 2¾x1½x1¼ ₩ lb... .18
Pike's Sandstones:
Small, 8x1½x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8½x2x1⅛, weight about 1¼ lb, ₩ lb..... .05
Large, 8¼ to 9x2¾x2, weight about 2 lb, ₩ lb..... .08
Small table, 9 to 9½x2¾x2, weight about 4 lb, ₩ lb..... .08
Large Table, 10x4x3 " ..... .08
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.
Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per lb 70c..... 40%
Boston "Phœnix" Red Sheet, per lb..... 50c.net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N. Y. B. & P. Co., 1846-Para....40&10%
N.Y.B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....60&10%
Standard..... 60&10%
Extra..... 60&10%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard....₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute.....7c@8c ₩ lb
Padlocks—
See Locks.
Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1886.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ pos 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00.....20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50
Pencils—
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00
Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%
Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....30%
Miscellaneous.....25%
Steer's Iron Planes.....40%40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
S. & L. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%
Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....20%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $6.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%
Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%
Poachers—
See Egg Poachers.
Police Goods—
Tower & Lyon's.....25%
R. L. Tool Co., Handcuffs, $15.00 ₩ doz..... 10%
R. L. Tool Co., Leg Irons, $25.00 ₩ doz..... 10%
J. P. Lovell's Police Goods.....25%
Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%
Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00
Poppers, Corn—
Round or square, 1 qt., ₩ doz. $1.00; ₩ gr. $8.00 } 10@
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00 } 15%
2 qt., ₩ doz. $1 50; ₩ gr. $14 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $1 00; 2 qt ,$4 00.....33⅓%
Powder—
See Ammunition
Presses—
See Fruit and Jelly Presses.
Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.20, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $5.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.26
P. S. & W. Co. 60%
Levin Pruner, No. I, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00₩doz.25%
Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash. Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.73.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@50%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $13.00.....40%
Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 69, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 103, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 122, Fig. 510, 3 in. Lift Pump.....$7.00
No 131. Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 408, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 260 Fig. 4?4, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 512, Cyclone Tank Force Pump.....$ 7 00
No. 267, Fig. 488, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16 00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 331, Fig 547, Knapsack Spray Pump.....$10.00
Discount 50% F. O. B. Ashland.
Punches—
Saddlers' or Drive, good ₩ doz.,90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring and Check.....50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%
Radiators—
Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7 0
Planished Iron, to fit 7 in. Stove Pipe.....$3.50
Planished Iron, to fit 8 in Stove Pipe.....$.0 00
Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron, ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers: Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%
Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1.net ₩ doz. $4.90
Gibbs' Crown, No. 2.net ₩ doz. $5.30
Gibbs' Hustler, No. 0.net ₩ doz. $4.25
Gibbs' Hustler, No. 1.net ₩ doz. $4.60
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25...25%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50; } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth, $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14..... net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10
Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's AAA1, list Nov. 1, 1889 .50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%
Refrigerator Hardware—
Francis Kell & Son.....50%
Rings—
See Bull and Hog Rings.
Rivets and Burrs—
Norway, list July 1, '95.....6 %
Coopers.....65%
Block.....65%
Carriage.....65%
Hame.....65%
Burrs.....65%
American Screw Co.:
Bay State Rivets.....5%
Belt with Burrs.....65%
Rivet Sets—
Regular list.....55&5&5%
Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40c
Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%
Rope
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 5½c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. L'the Yrn ₩ lb 5 c
Cotton Rope.....₩ lb 11@13c net
Jute Rope.....₩ lb 5@6c net
1½% for cash in 10 days.
Rules—
Boxwood.....80%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%
Sad Irons—
From 4 to 10 at factory....₩ 100 lb $3.50@$3.75
Self-heating.....₩ doz $3.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England.....5c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....20%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No 50, ₩ set.....$ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 220, per dozen, net.....$3.40
Crown Sad Irons, No. 225, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06
Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%
Sash Chain—
Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%
Sash Cord—
Common.....₩ lb 10@.. c
Jute, good quality.....₩ lb 1 c
White Cotton Braided, fair. ₩ lb 35c
Common Russia Sash.....₩ lb 16c
Patent Russia Sash.....₩ lb 15c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Cable Laid Sash.....₩ lb 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....25%
B Quality, White.....40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26½c @ 28c
Sylvan Spring
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00...10&10%
No. 4 Braided Drab, $3.00...10&10%
No. 4 Braided Colors, $2.50...10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton....27c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....43c
"Samson" Italian Hemp....40c
"Samson" Linen....56c

Sash Fasteners, Holders, &c.—
Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....₩ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances....25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co....50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security....70%

Sash Weights—
Solid Eyes....₩ ton $23.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40& 1%

Saws—
Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....30%
Gang, Drag & Mill....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....40%
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%

HACK SAWS—
Griffin's complete....45%
Griffin's Hack Saw and Blades....45%
Chatillon....30%
Butchers....25%
Star Butcher....25%

Saw Frames—
Star Hack....25%
White Vermont...₩ gro. $9.50@$10.00
Red, Polished and Varnished...₩ doz., $2.00 40%
C. E. Jennings & Co....30%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%

Saw Sets—
Stillman's Lever, Nos. 40, 45....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $38.00; No. 5, $31.00....40&20%
Perfect Saw Jointer....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Automatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut. 30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold....₩ doz., $15.00, 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%

Scales—
Union Platform Plain...$2.10@$2.80
Union Platform Striped. $2.20@$2.80
Chatillon's Grocers' Trip Scales. 40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%

Scale Beams—
Scale Beams, List Jan. 12, '93. 50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%

Scrapers, &c.
Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....₩ doz., $4.00, 10%
Box, 2 Handle....₩ doz., $6.00, 10%
Defiance Box & Ship....30&10%
Foot....50&10@60%
Ship Common....₩ doz., $3.50 net
Ship, R. I. Tool. Co....10%

Screens—
Phillips:
Bonanza Screens....60%
Perfection Screens....60%
Extension....50&10&5%
Flyer....50&10%
Window Screen Frames....60&5%

Screen Doors—
Phillips:
Stain-d....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30 & 35%
Standard Oil....35& 40%

Screw Drivers—
C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....50&5%
Disston's Pat. Excelsior....50&5%
Buck Bros....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....₩ doz., 70@90c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 2, $12. 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits. 20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ₩ doz....90c } 50%
Beauty, ₩ doz....$1.00 }
Wm. Johnson's:
133 A....70&10%
135½ Extra....70%
138 Ebonized Handle....70%
141½....75%
142 Ebonized Handle....70%

Screws—
WOOD SCREWS—List, July 1, '95.
Bright Flat Head Iron....87½%
Br't R'd & Oval Head Iron. 12½&10%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....87½%
Round Head Brass....82½&10%
Flat Head Bronze....82½&10%
R'd and Oval Head Bronze. 80&10%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head. 55%
Flat Head Copper....60%
Round Head Copper....60
Rogers Drive Screws....87½%

MACHINE—
Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%

BENCH, HAND, ETC.—
Bench, Iron....70%
Bench, Wood, Beech. ₩ doz $2.00@2.25
Hand, Wood....25%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....80&5%
Bed....20&25%
Hand Rail, Sargent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....50&10%
Jack Screws, Millers Falls, without Roller Bearing....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%

Scroll Saws—
C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw, Blades....35%

Scythes—
Grain....40&5@40&10%
Grass....40&10%

Seeders—
Enterprise Raisin....25%

Shears—
Ætna, Steel Japanned....80&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60%
Japanned....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75% Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Hatfield Sheaves....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s....60&10&
Sargent's list....60&10%
Reading list....60&10&10%

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bess, at factory....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ ℔ 7½c
Perkins Improved Snow....₩ ℔ 4c

MULE—
Add $1 ₩ keg to above prices.

OX, WROUGHT—
Ton lots....₩ ℔ 9c
1000 ℔ lots....₩ ℔ 9½c
500 ℔ lots....₩ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c....30%
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods. 30%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....20@30&7½%
Hussey, Binns & Co....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&&30%
Snow, D Handle, ₩ doz., $7.25 25&&30%
Hubbard & Co....30&10%
Payne, Pettebone & Son, list Jan., 1886....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%

Shovels and Tongs—
Iron Head....65@65&5%
Brass Head....65@65&5%

Sifters, Flour—
Hunters....₩ doz. $3.00

Slaw Cutters—
Enterprise....25%

Slicers—
Enterprise Vegetable....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert Mfg. Co....45%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes.
Neck Yoke Centres.
Banner Bolt Snaps.

Spoke Shaves—
Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....30%
Millers Falls....25%
Wm. Johnson's:
Wood, Best....30%
Wood, 2nd Quality....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks. 50&10@50%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co. 40 &15&10&10
L. Boardman & Son....50&15½%
MISCELLANEOUS—
German Silver....50@50&5%
German Silver, Hall & Elton. 50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver....50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....30&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.... } 30%
Nickel-Plated.... }
Try Square and T Bevels. 30&10@ 30&10&10%
Disston Try Square and T Bevels. 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....30&25&10%
Extra Heavy....30%
Hooks and Staples....30&25&10%
Extra Heavy....30%
Hasps and Staples....30&25&10%
Extra Heavy....30%
Staples on Plates....30&25&10%
Wagon Bow Staples....30&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk. 75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....65⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....20@25%
Reece's New Screw Plates....25%
Reversible Ratchet....30%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓%&2% cash.
Carpet Tacks:
American....66⅔%
Steel....66⅔%
Swedes, S. S....66⅔%
Swedes, Lanc....62½%
Leathered....33⅓%
American Cut Tacks....62½%
Swedes Iron Tacks:
S. S....62½%
Lanc....57½%
Upholsterers' Tacks:
S. S....66⅔%
Lanc....62½%
Gimp Tacks:
S. S....66⅔%
Lanc....62½%
Lace Tacks:
S S....6 ½%
Lanc....57½%
Trimmers' Tacks:
S. S....5%
Lanc....50%
Looking Glass Tacks....33⅓%
Picture Frame Points....33⅓%
Basket Tacks....62½%
Berry Box Tacks....62½%

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Trunk Tacks:
S. S ..... 66⅔&5%
Lanc. ..... 62½&5%
Miners' Tacks, S. S. ..... 66⅔&5%
Bill Posters' and Railroad Tacks:
S. S ..... 66⅔&5%
Lanc. ..... 62½&5%
Brush Tacks and Nails:
S. S 55%
Lanc. ..... 5 %
Hungarian Nails. ..... 57½&5%
Common and Patent Brads. 50%
Finishing Nails. ..... 57½&5%
Trunk and Clout Nails ..... 57½&5%
Basket Nails ..... 55 %
Chair Nails. 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓&2% cash.
F. H. Cobblers Nails:
4½-8in., and shorter, ₱ 100 ℔ $20.60
⅝ in. and longer, ₱ 100 ℔ ... $18.85
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No. 18 & 19. 17 & heavier.
2 8&2½-3 in. $30.00 $41.20
3-8&3½-3 in. 31.50 35.15
4-8& longer, 41.20 33.45

MISCELLANEOUS—
Double Point. .. 85&10@85&10& 0%
Wire Carpet Nails. 60&10@60&10&10%
Bill Nye Brad Box. $4.00
Bonnie Blue. ..... ₱ box $1.50
Claw Handle Carpet. .. ₱ gr $1.00
Home Tacks, No. 50, ₱ case (12 cartons), $36.00; No. 100, ₱ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₱ case (12 cartons), $30.00; No. 400, ₱ case (12 cartons), $60.00. 5 &2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks. 66⅔&33⅓&2%
Miniature Keg Tacks. 66⅔&33⅓&2%
Upholsterers' Nails ..... 5 &10%

Tack Pullers—
Columbia, No. 1, per doz., net, ... $1
" " 2, " " .. 1.50

Taps—
American Screw Co.
Machine Screw 60%
Hand and Machine. ..... 50&10%
Pipe 80%
Blacksmiths' Taper. ..... 50&10%

Tin, Perforated—
Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1. 0
6	$6.95	$1 15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.). 20&2%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss". 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897. .70&10@70&10&10%

Trammel Points—
Cook's. 25%
Stanley's. ..... 30&10%
Tower & Lyon. 33⅓%
Jennings "Eureka". 25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track. $3.25
Comb., Car., Wood Track. ... $3.25
New Myers Iron Rod Car. $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four aling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track. $6.00
Double Rail Steel Track complete with clamps, ₱ ft. ..... .09
Single Rail Steel Track with clamps, ₱ ft ..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each. $1.50
Walker Fork, each. $1.15
Sprouts Shear Fork, each. ... $1.40
Double Grapple Fork, each. .. $3.25
Faultless Steel Frame K. P. Pulley, Fig. 485, ₱ doz. $2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₱ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₱ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₱ doz. $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₱ doz. $1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₱ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz. $2.00
Floor Hooks, ¾ in. ₱ doz. ..... .65
Hanging Hooks for Double Steel Track, ₱ doz. ..... .60
Hanging Hooks for Single Steel Track, ₱ doz. ..... .60
Hanging Hooks for Wood Track, 10 in. ₱ doz. ..... .45
Hanging Hooks for Wood Track, 14 in., ₱ doz. ..... .55
Wrought Rafter Brackets, ₱ doz. ..... .45
Malleable Rafter Brackets, ₱ doz. ..... .45
Rope Hitch. ₱ doz. $1.75

Transom Lifters—
Copper Finished. 50%
Bronze Metal. 40%
Nickel Plated. 50%
Crescent. 55%
Lever. 55%
Ajax. 50%
Dicksons. 60%

Traps—
GAME—
Enterprise Mole. 15%
Oneida:
Newhouse. ..... 40&10%
Hawley & Norton. ..... 70&5%
Victor. ..... 70&10&5%
All Steel. 75%
Star. ..... 50&10%
Blake's Patent. ..... 40&10&5%
MOUSE AND RAT—
Monse, Wood, Choker, ₱ doz hole 80&10%
S.T. ..... ₱ doz $5.00, 20%
Mouse, Round Wire. ₱ doz $1.50, 20%
Mouse, Cage, Wire. ₱ doz $3.50, 10%
Mouse, Catch-'em-alive ₱ dz $2.50, 15%
Mouse, Bonanza. ..... ₱ gr $10.00
Mouse, Ideal. ..... ₱ gr $9.00
Mouse, Delusion. 33⅓%
Rat Slayer. ..... ₱ gr $9.50
Rat, Keystone. ..... ₱ gr $10.00
Rat, Exterminator. ..... ₱ gr $12.00
Rat, Decoy. ..... ₱ gr $10.00, 15%
Hotchkiss:
Metallic Mouse. 50%
Improved Rat. 40%
New Rat. 40%
Schuyler:
Mouse, ₱ gross $18.00. ..... 50%
Rat, ₱ gross $30.00. ..... 50%
Household. ..... ₱ gr $10.00
Mice Rat. 50%
FLY—
Balloon. ..... ₱ gr. $13.50
Electric Rod. ..... ₱ gr. $16.50
Globe. ..... ₱ gr. $13.50
Harper. ..... ₱ gr. $16.50

Trowels—
Reed's Brick and Plastering. 15%
Disston's Brick and Plastering. .25%
Peace's Plastering. 25%
W. & McP. Plastering. 25%
Richardson. 25%
Rose's Brick. ..... 15@20%
Brade's Brick. 30%
Sargent's Garden, No. 1. ..... 70%
Sargent's Garden, No. 15. ..... 50%

Vises—
Solid Box. ..... 60&10%
PARALLEL—
Fisher & Norris Double Screw. ... 15%
Armstrong's:
Plain and Hinge. 60%
Combination. 50%
Lowell Hand. 33⅓%
Stephens'. ..... 20@10%
Holland's. ..... 40@45%
Parker's. ..... 20@25%
Wilson'. 55%
Alligator. 50%
Howard's. 40%
Massey's Quick Action. ..... 20@ 2%
Bonney's. ..... 40&10%
Millers Falls. ..... 40@40&10%
Trenton. ..... 40&5@40&10%
Merrill's. ..... 15@20%
Sargent's. 50%
Backus and Union. 40%
Prentiss'. ..... 20@25%
Simpson's Adjustable. 40%
Moore's. 20%
Little Giant Bench. ..... 25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00. .... 40&10%
Stearn's. 40%
Stearn's Silent Saw Vises. ... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₱ gross. $3.50 to $12.00
Rattan Drop Tops ₱ doz. 50c to $1.50
Rattan Straight ₱ dos. 80c to 3.00
Rattan Fancy Mounted ₱ doz. $1.50 to $6.00
Stocked Javas ₱ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₱ doz. $4.00 to $7.50
"True Grip" Raw Hide ₱ doz. $6.00 to $12.00
Whalebone. ₱ doz. 8.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co. 40%
Clayton's. ..... .25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%

Market:
Brt. & Ann., Nos. 0 to 18. ..... 72½&5%
Cop'd, Nos. 0 to 18. ..... 70%
Galv., Nos. 0 to 18. ..... 62½&5%
Tin'd, Tinned list Nos. 0 to 18. 62½&5%
Tinned Broom Wire. .... 5½c net
Galvanized Fence. 65%
Malin's Annealed and Tinned on Spools. ..... 60&5%
Malin's Brass and Copper on Spools. ..... 50&5%
Annealed Fence, Nos. 8 and 9. ... 75%
Annealed Grape, Nos. 10 to 14. ... 75%
Tate's Spooled Wire:
Annealed and Tinned. 65%
Copper and Brass. 55%
Brass, list Jan. 18, 1884. ..... 30%
Copper, list Jan. 18, 1884. ..... 35%
Barb Fence. ..... See Trade Report
Cast Steel Wire. 50%
Stub's Steel Wire. ..... $6.00 to 2 30%
Steel Music Wire, Nos. 12 to 30 55c ₱
Tate's Wire Picture Cord Braided and Twisted. ..... 80&10%
Picture Wire. ..... New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₱ 100 sq. ft. $1.45
Galvanized Wire Netting. ..... 80&10%
Brass Cloth. ..... 40@55%
Steel Bolting Wire Cloth. ..... 80@55

Wire Rope—
List, May 1, 1886.
Iron. ..... 33⅓&2½%
Iron, Galvanized. ..... 40&2½%
Cast-steel. ..... .40&2½%

Wire Rope Clips—
Crosby. 25%

Wrenches—
Acme:
Bright ..... 50@10%
Nickel 45%
Heavy. 50%
Alligator. ..... 40&10%
Hercules 70%
American Adjustable. 40%
Armstrong's 40%
Baxter's Adjustable "S". 60%
Baxter's Diagonal. 60%
Coes' Genuine. 50%
Coes' "Mechanics'". ..... 50&10&3%
Girard Standard. 70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought. ..... 80&5%
Eagle Pipe. 50%
Taylor Pipe and Nut. 40%
Saillson Pipe. 45%
Trimo Pipe. ..... 50&10%
Wakefield Pipe and Nut. 40%
Bemis & Call's:
Patent Combination Black. 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern. ..... 30&10%
Cylinder Gas Pipe. ..... 45&5%
No. 3 Pipe. 55%
Aiken's Pocket (Bright) $6.00. ... 60%
Boardman's 30%
Always Ready. ..... 33⅓@5%
Champion Carriage. 40%
Dononue's Engineer. 35%
Trimo Combination. 40%
Cincinnati Tool Co:
Bit. ..... 25&10%
Standard Brace. ..... 25&10%
J. H. Williams 25%
Lowell Ratchet. 33⅓%
Lowell Socket Bridge. 20%
Lowell Lag Screw. 25%
Yankee. 45%
Expert Bicycle. ..... 33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch.	$24.00
No. 30, Erie, 11 inch.	27.00
No. 55, King, 11 inch.	33.28
No. 45, King, 10x1¾ inch.	26.00
No. 65, King, 11x2 inch.	32.00
No. 2, "77" 10 inch.	15.50
No. 2, Zenith, 10 inch.	16.50
No 3. Zenith, 11 inch.	19.00
No. 4, Zenith, 12 inch.	21.50

WOOD—

No. 40, Prime, 10 inch.	20.00
No. 50, Prime, 11 inch.	23 00
No. 66, Columbia, 11x1¾ inch..	27.00
No. 99, Pittsburg, 11x2 inch....	31.00
No. 33, Nonpareil, 11x1¾ inch..	28.10
No. 44, Nonpareil, 11x2 inch....	32.00

Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches.... 21.00
No. 11 Rolls, 11x1¾ inches.... 25.00
No. 12 Rolls, 12x1¾ inches.... 29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₱ gal. 57c
Linseed. City, Boiled, " ₱ gal. 6 c
Out of Town on Spot. ..... ₱ gal. 56c
Calcutta, Raw, in bbls. ... ₱ gal. 56c
Lard. ..... 6½@6 85

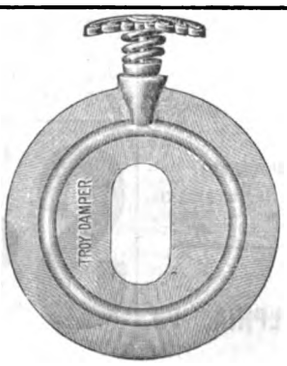
Paints and Colors—
Barytes, Prime White, ₱ ton, $14.00@$17 00
Barytes, Foreign Floated, ₱ ton, $17.00@$18.00
Barytes, Domestic Floated, ₱ ton, $22.00@$23 00
Barytes, Off Color, ₱ ton, $10.00@$13.00
White Lead, American, Dry, ₱ ℔ 5 @5½c
White Lead, American, in Oil, ₱ ℔ ..... 5 @5½c
White Lead, English, in Oil, ₱ ℔ 5½@7 c
Litharge, American Powdered, ₱ ℔ ..... 4½@4¾c
Litharge, English Flake, ₱ ℔ 8¾@9 c
Litharge, Glassmakers', ₱ ℔ 5½@6 c
Zinc, American, Extra Dry, ₱ ℔ 3¼@4¼c

Putty—
Putty in Bulk. ..... $1.45@$1.75
Putty in Bladders. ..... $1.55@$2.00
Putty in Tins ..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₱ gal. 33c

Colors in Oil—
Black Coach Japan ₱ ℔ .. 18½@20 c
Black Coach Japan in Oil. ..... ₱ ℔ 12 @13 c
Black Drop. ..... ₱ ℔ 7½@10 c
Black Lampblack, prime, ₱ ℔ 27½@33 c
Black Lampblack, medium. ..... ₱ ℔ 15 @20 c
Black Lampblack, 2d quality. ..... ₱ ℔ 13 @19
Black, Lampblack, low grade ..... ₱ ℔ 6½@10 c
Blue, Chinese. ..... ₱ ℔ 35 @40 c
Blue, Prussian ..... ₱ ℔ 20 @40 c
Blue, Ultramarine. ₱ ℔ 12 @16 c
Brown, Sienna, burt ₱ ℔ 7 @10 c
Brown, Sienna, raw. ₱ ℔ 7 @10 c
Brown, Umber, burt ₱ ℔ 7 @10 c
Brown, Umber, raw. ₱ ℔ 7 @10 c
Brown, Vandyke. ₱ ℔ 7 @11 c
Green, Chrome. ..... ₱ ℔ 8 @14 c
Green, Paris. ..... ₱ ℔ 16 @18½c
Red, Indian. ..... ₱ ℔ 12 @15 c
Red, Venetian. ..... ₱ ℔ 4½@ 8 c
Yellow, Chrome. ..... ₱ ℔ 13 @18 c
Yellow, Ocher, Fr'ch ₱ ℔ 4½ c

TROY DAMPER.
MADE OF
18 GAUGE STEEL.
All Defects in other Dampers removed in this one.
TIME TESTED.
ONE HOLE IN PIPE.
Send for Sample and Prices.



16 Patents.
TROY NICKEL WORKS,
TROY, N.Y.

ORIGINATORS
ALASKA
STOVE HARDWARE

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THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

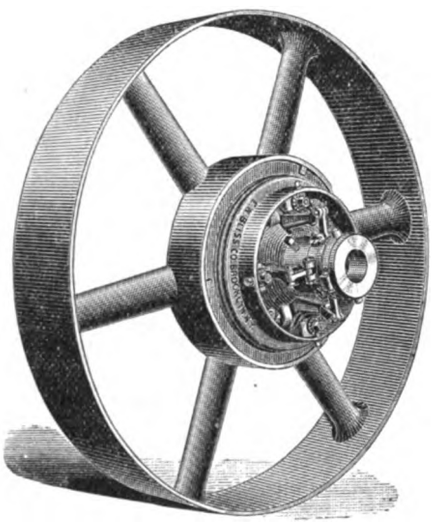
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For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

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PRESSES, DIES AND SPECIAL MACHINERY.

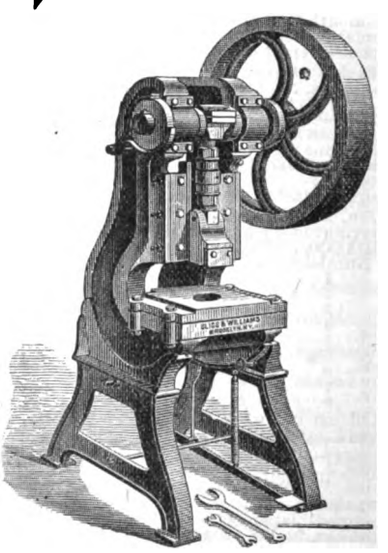
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SHEET METAL WORK

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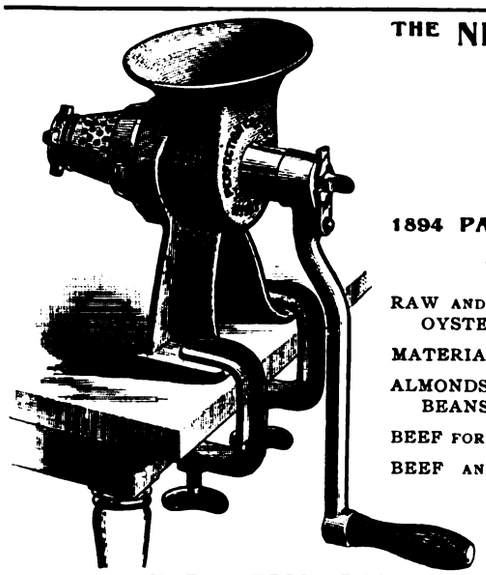


A NEW FRICTION CLUTCH.

SEND FOR CATALOGUE.

—OWNERS OF—

THE STILES & PARKER PRESS CO.



THE NEW . . . .

Perfection . . . Cutter

1894 PATTERN.

FOR CUTTING

RAW AND COOKED MEATS, CHICKEN, LOBSTER, OYSTERS, ETC., FOR CROQUETTES.

MATERIALS FOR MINCE MEAT, AND FRUIT CAKES.

ALMONDS, COCOANUT, CITRON, FIGS, VANILLA BEANS.

BEEF FOR BEEF TEA AND HAMBURG STEAKS.

BEEF AND PORK FOR SAUSAGES, PUDDINGS, SCRAPPLE, HOGS-HEAD CHEESE.

PULVERIZING STALE BREAD AND CRACKERS FOR FRYING PURPOSES.

THE LATEST, BEST AND MOST PRACTICAL.

SIMPLE TO USE. EASY TO CLEAN. OF FEW PARTS.

Easily put together and taken apart. Does not mash or grind meats, etc.

All parts coated with pure block tin.

—SOLD BY LEADING JOBBERS.—

Manufactured by NORTH BROS. MFG. CO.,

NEW YORK { JOHN H. GRAHAM & CO., 113 Chambers St. PHILADELPHIA, PA.

ALLENTOWN HARDWARE WORKS,

Manufacturers of Locks, Butts, Knobs, General Builders' Hardware, etc. Electro, Brass, Silver, Bronze and Nickel Plating. House Door Trimmings, Sash Locks, Sash Pulleys, Casters, High Grade, Light Gray Iron Castings, Soft, Smooth and Easily Drilled. Patented Articles a Specialty. Superior Quality. Estimates furnished on application from drawings and specifications. Bronze, Brass and Composition Castings. Japanning, Metal Art Work, Common Iron Castings made to order at short notice. Give us a trial. Also manufacturers of

REFRIGERATOR LOCKS AND TRIMMINGS,

Of new, beautiful design, finish and of the latest pattern.

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ALLENTOWN, PA.

We are Agents FOR NUMYR NOZZLES, the most novel, unique and serviceable. Do not clog and can be varied from a solid stream to a fine spray. Sell at sight. Try them.

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HARVEY HUBBELL,

Machinery and Tool Mfr.

Improved Tapping Machines.

Machine screws for electrical purposes. Sample box free.

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Scovill Mfg. Co., Waterbury, Conn.

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Partrick & Carter Co, Philadelphia, Pa.

Anti-Friction Metal.
Theo. Hierts & Son, St. Louis, Mo.
Magnolia Metal Co., New York.

Anvils
Vau Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Alfred Field & Co., New York.
Forshand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
Union Metallic Cartridge Co., Bridgeport Conn.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bale Ties
Kilmer Mfg. Co., Newburgh, N. Y.

Barb Wire.
Kilmer Mfg. Co., Newburgh N. Y.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
John H. Graham & Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Bridgeport Gun Implement Co., New York.
Cushman & Denison, New York.
W. & B. Douglas, Middletown, Conn., (Pneumatic Pumps).
Keating Wheel Co., Holyoke, Mass.
Liberty Cycle Co., New York.
New York Belting & Packing Co., Ltd., New York.
Pope Mfg. Co., Boston,
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse, Hazard & Co., Peoria, Ill.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Sterling Cycle Works, Chicago.

Bicycle Step Ladders.
Bicycl Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.
Scovill Mfg. Co., Waterbury, Conn.

Brass, Manufacturers.
Waterbury Brass Co., New York

Brass, Perforated.
Harrington & King Perforating Co., Chicago.

Buffing Wheels
Divine Bros., Chadwicks, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich; New York.

Casters.
Gwinner Mfg. Co., Hamilton, O.

Castings, Iron and Brass.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
Hugh Campbell Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co, Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.
Meriden Malleable Iron Co, Meriden, Conn.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
Wm. Schollhorn Co., New Haven, Conn.
Spery Cutlery Mfg. Co., St. Louis, New York.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
J. Bardsley, New York.
John Chatillon & Sons, New York.
W. H. Quinn & Co., New York.
Russell & Erwin Mfg. Co., New York.

Door Knobs, Wood.
J. Bardsley, New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Partrick & Carter Co, Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co., Ltd., New York.
Sterling Emery Wheel Mfg. Co., Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co, Philadelphia.

Export Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.

Filter, Water.
J. H. Seed, New York.
F. H. Weeks, Akron, Ohio.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garbage Carbonizer.
W. F. Morse & Co., New York.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gate Hinges, Latches, etc.
Wrightsville Hardware Co., Wrightsville, Pa.

Gears.
T. F. Welch & Co., Boston.

German Silver.
Scovill Mfg Co., Waterbury, Conn.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y, Phila., Boston and Chicago.
A. W. Dodd & Co., Gloucestre, Mass.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland,

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammocks.
Bruce R. Ware & Co., Boston.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
Arcade Mfg. Co. Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Diamond Cutlery Co., New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co, Hamilton, O.
T. W. Houchin, New York.
Klages & Co., New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Heds.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Boston.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Husking Goods.
Blair Husking Glove Co., Bucyrus, Ohio.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co, Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co., New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co, New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
American Lead Pencil Co., New York
Jos. Dixon Crucible Co., Jersey City, N J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Fencing.
Kilmer Mfg. Co., Newburgh, N. Y.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
American Lead Pencil Co., New York
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Planes.
Samuel L. Goodall Co., Philadelphia
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co, New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co, New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co, Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Bellevue Pump Co., Bellevue, Ia.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co, Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiators.
Wilmot Castle & Co., Rochester, N. Y.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

Rakes.
Ashtabula Tool Co., Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd, New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

Sample Holders.
Massey & Thompson, Monroe City, Mo.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Bruce R. Ware & Co., Boston.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
American Saw Co., Newton, N. J.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.
Eastman & Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Klages & Co., New York.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.

Sifters, Furnace, etc.
Lackawanna Sifter Co., Cleveland, Ohio.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
A. G. Spalding & Bro., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

Snow Guards.
Folsom Snow Guard Co., Boston.

Solder.
Bruce & Cook, New York.

Solid Steel Ware.
Cleveland Stamping & Tool Co., Cleveland, O.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoneware.
F. H. Weeks, Akron, O.

Stove Boards.
Hall Bros. Mfg. Co., New York.

Stove Pipe.
Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O
E. C. Atkins & Co., Indianapolis Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.
Ward & Gilmore, Le Roy, N. Y.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Twines.
Bruce R. Ware & Co., Boston.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N.Y
Charles Morrill, New York.

Washers.
Klages & Co., New York.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

Wheelbarrows.
Bryan Mfg. Co., Bryan, Ohio.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Window Screens.
Edward Darby & Sons, Philadelphia.
John H. Graham & Co., New York.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Kilmer Mfg. Co., Newburgh, N. Y.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clintor, Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
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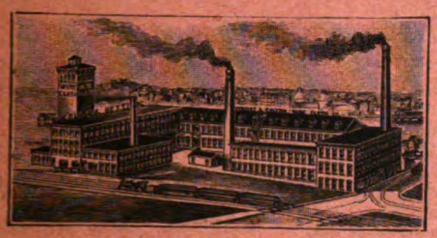
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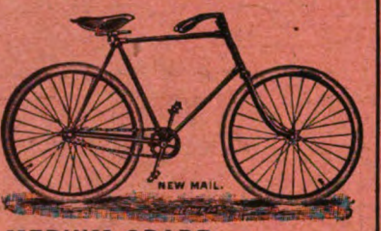
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HARDWARE EXCLUSIVELY.

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Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XI. No. 12. New York, September 25, 1895. $1.00 A YEAR.



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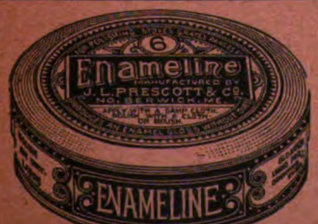
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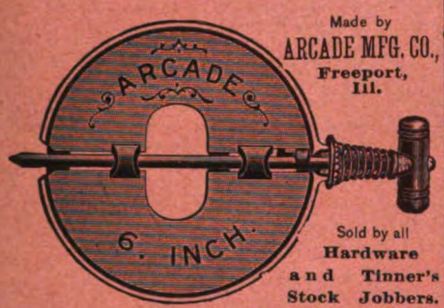
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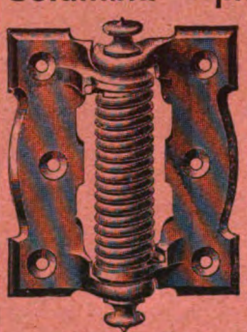
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" 1443 " " Rosewood " .....$5.50 " "

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NEWARK, N. J.

Manufacturers of Wire Specialties for the Trade.

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ORANGE SPORTING POWDER, MANUFACTURED BY LAFLIN & RAND POWDER CO

ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded ORANGE RIFLE EXTRA.

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so-called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed

MILITARY, MINING AND BLASTING POWDER.

LAFLIN & RAND POWDER CO., - 99 Cedar Street, New York City.

BRANCH OFFICES:
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In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

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STEEL WIRE NAILS.

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Unequaled in strength and cleanliness.

Du Pont's Eagle Ducking.
Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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Of a quality to meet requirements of U. S. Army and Navy.

MINING AND BLASTING POWDER.

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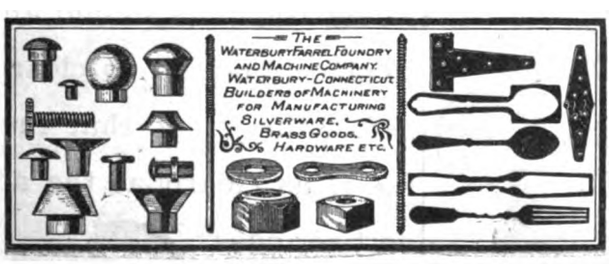
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Best Anti-Friction Metal for all machinery bearings. For high speed and heavy crushing weight it has no equal. It is used on bearings where no other metal will stand.

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Unequalled—Unapproached.

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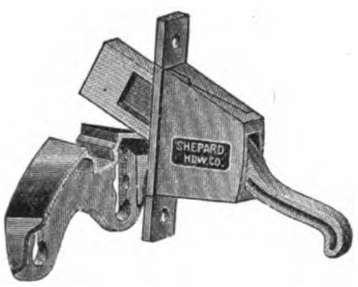
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That's how a large Hardware dealer describes the appreciation of his customers in regard to our **Gate Hinges** and **Latches, Blind** and **Shutter Hinges,** and **Frame Pulleys** of the **"Original" Clark** and other patterns formerly sold by the **Shepard Hardware Co.,** of Buffalo, N. Y., whose business in these lines we have acquired by purchase.

☞We are the SOLE Manufacturers.

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SURE ...TO **PAN OUT.**

The Excelsior Roasting and Baking Pan makes money for every dealer who handles it. To show it is to sell it, because its merits speak for themselves.

The **Excelsior Pan** is made of Planished and Plain Steel in seven sizes.

SUITS EVERYONE. WRITE FOR PRICES.

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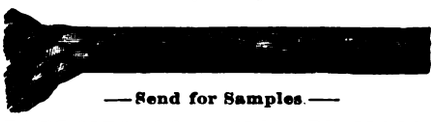
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Of every description.



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to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

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Tack, Shoe and Wire Nail

MACHINERY,

KIMBAL BROS. & CO., Mfrs.,

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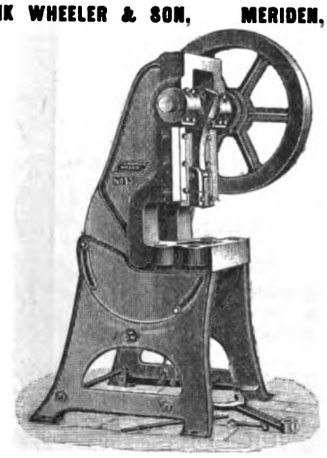
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No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .

A PORTABLE and BEAUTIFUL FOUNTAIN.

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For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



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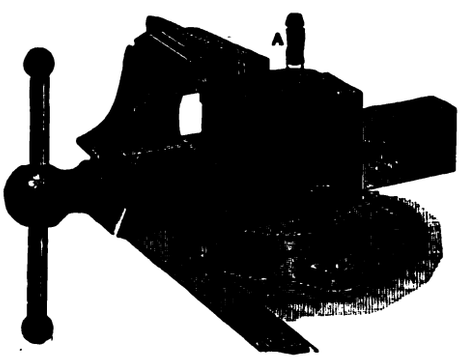
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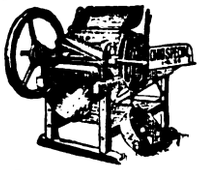
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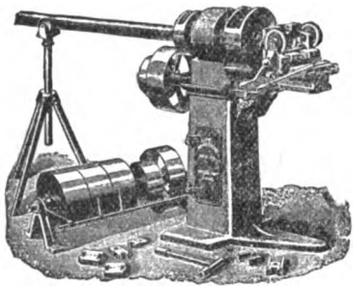
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Without a Line of



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No. 2½ MACHINE.

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PRICES NO HIGHER. PROMPT SHIPMENTS.

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Manufacturers of

Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.



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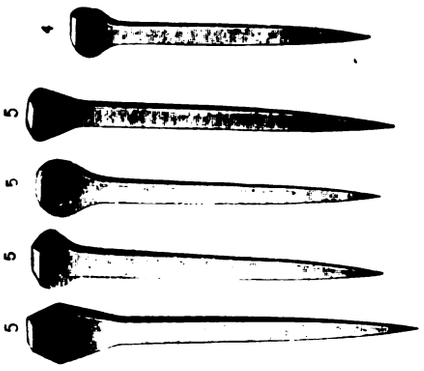
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Sample by mail 75 cents. Illustrated circular and price list sent on application.

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The PUTNAM Hot-Forged and Hammer-Pointed Horse NAILS

Are made in Sizes and Styles as below:



TURF NAILS, Nos. 1 to 5.

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Prices of these styles are the same as for Regular Heads of the same size.

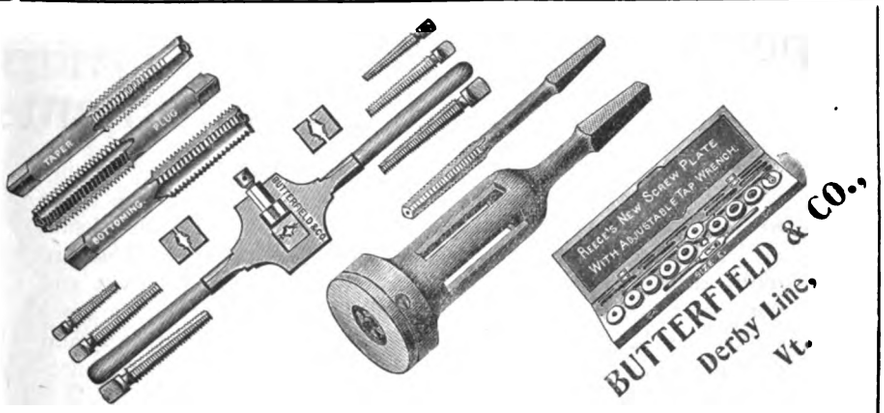
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The attempts of other manufacturers, in their advertising, to identify their product with the Putnam Nail leads us to state that the PUTNAM NAIL is made SOLELY by us in the ONLY RATIONAL WAY a GOOD horsenail can be produced.

Nickel-plated Mascot Ring for 10 Cents in Stamps or Silver.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

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MANUFACTURER OF
Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.
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HALL'S IMPROVED PIPE WRENCH.
An Entirely New Tool.



Grips quickly and firmly, *galvanized* as well as other pipe, *and will not crush it.* Releases instantly. *Cannot lock on pipe.* Has scale to set wrench to size before placing on pipe. Can be sharpened on grindstone or emery wheel—without taking apart. Will not mar a nut or highly polished fittings. Made in several sizes. All Dealers.

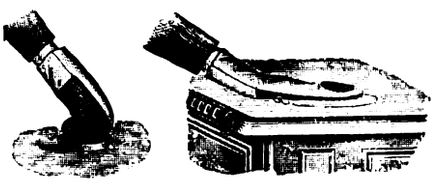
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RESERVOIR VASES.
IT WILL PAY YOU TO HANDLE THEM.
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ILLUSTRATED CATALOGUE FREE.
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We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.
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Manufrs. of Useful Adv. Mediums.

We have no risk on the quality. We make only the best.



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FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
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For Butler's Pantry
and all other Swing Doors, the best device is
BARDSLEY'S CHECKING SPRING HINGE.
It goes in the sill under the door and works in oil. Send for catalogue showing this and the best line of
WOOD DOOR KNOBS, DOOR STOPS, &c.
J. BARDSLEY, 149 Baxter St., New York.

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WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

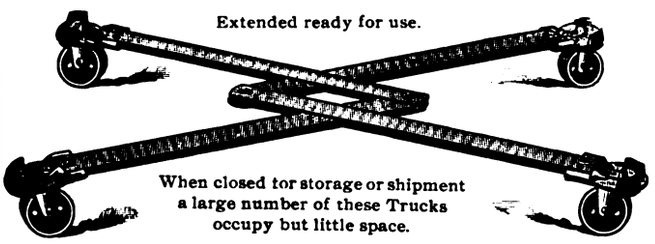
and they will soon melt under it like rock salt.

Special Paints Made to order to meet Special Requirements.

Most manufacturing establishments require paints of some kind made specially to meet certain conditions—**these it is our business to make.** Given a sample of what is satisfactory we will submit without cost a counter sample and price. **If what you are using does not fully satisfy you** write us describing what end you wish to secure, the article to be treated, your present manner of finishing it, in what respects it falls short of being satisfactory and we will prepare and submit a sample which will fill all your requirements.

W. W. LAWRENCE & CO., - Pittsburgh and Buffalo.

Steel Lock Frame Stove Trucks.



Extended ready for use.

When closed for storage or shipment a large number of these Trucks occupy but little space.

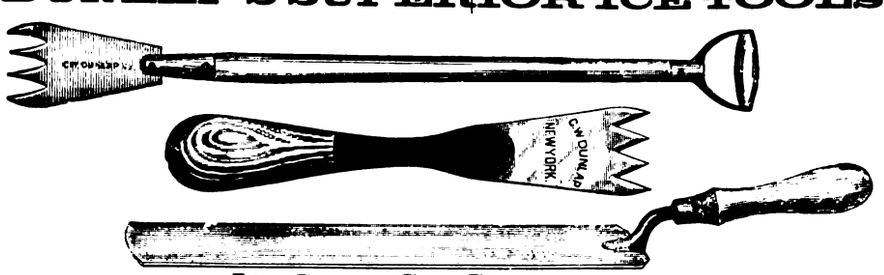
Price, $15.00 per dozen.

Fit any size stove. No nuts, bolts or thumb screws. No bars to cut off.

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DUNLAP'S SUPERIOR ICE TOOLS



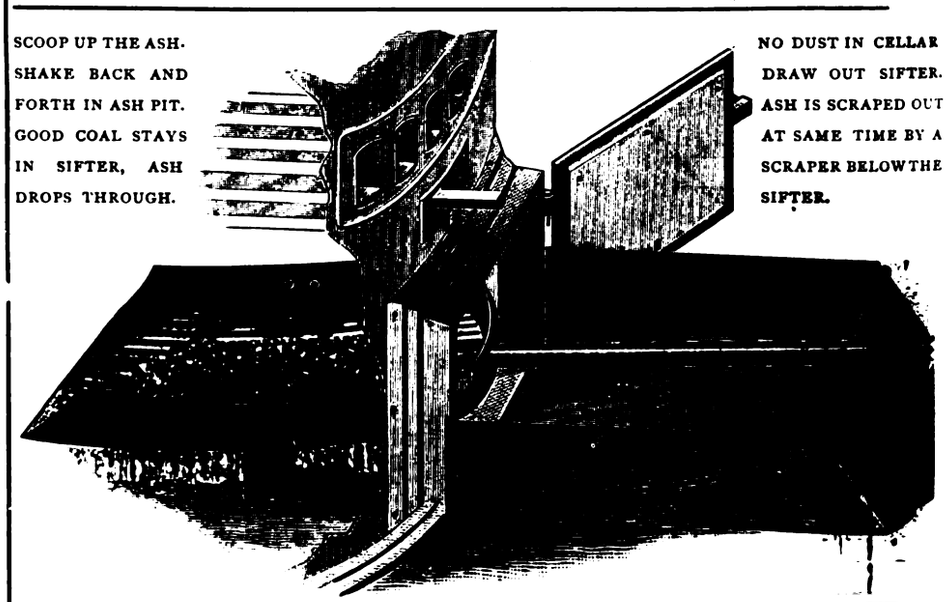
Ice Cream Can Scraper.

Blades made of Crucible Cast Steel, carefully hardened and tempered. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.

SCOOP UP THE ASH. SHAKE BACK AND FORTH IN ASH PIT. GOOD COAL STAYS IN SIFTER, ASH DROPS THROUGH.

NO DUST IN CELLAR DRAW OUT SIFTER. ASH IS SCRAPED OUT AT SAME TIME BY A SCRAPER BELOW THE SIFTER.



LACKAWANNA SIFTER

For Furnaces only. Is a scoop with slots, also a scraper beneath to bring out ash into a pan which we also make. No dust. All sifting is done in the ash pit. Write us.

THE LACKAWANNA SIFTER CO., Cleveland, Ohio.

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American
Lantern
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Stem Wind
¼ Plate
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and Nickel
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and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

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SOLE MANUFACTURERS,
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AT THE TOP



AND GOING TO STAY THERE

OPERATING:
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GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

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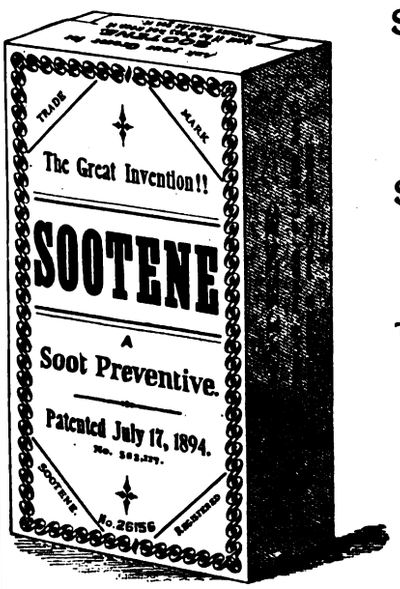
THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
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SOOTENE

Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

SOOTENE

Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

THE SOOTENE CO.,
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GENERAL SALES AGENTS FOR
UNITED STATES
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Patentee and Manufacturer,
R. GIVENS,
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A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."



No 110.

THE SMITH & EGGE MFG. CO.,

BRIDGEPORT, CONN.

Manufacturers of

SASH CHAINS. CABLE

SASH PULLEYS, PADLOCKS,
EUREKA SHEARS,
DRILL CHUCKS, CYCLE LOCKS,
TOE CLIPS,

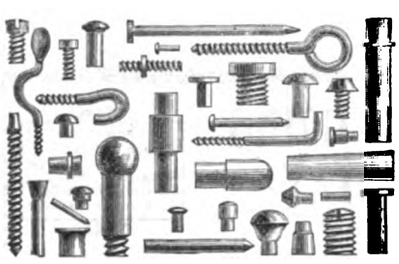
AND ALL KINDS OF

Sheet Metal Novelties.



No 10.

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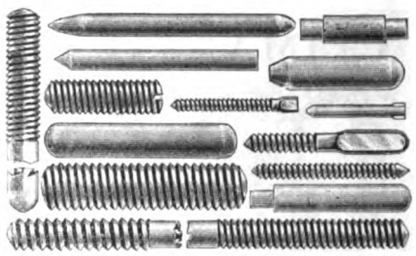


Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
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American Lead Pencil Co.,

429 Broome Street, New York.
110 Cheapside, London, England.



113. "CARBON" PENCIL.

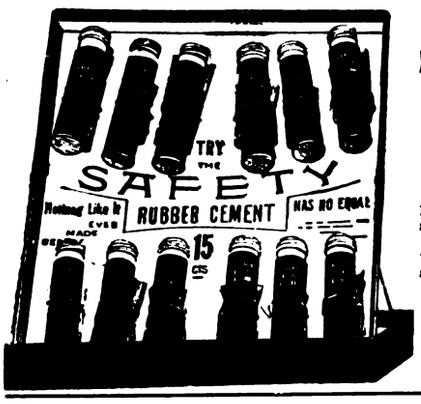
TO obviate that tired feeling and dull pain in the fingers, which invariably accompany the use of the ordinary black lead pencil whenever too much pressure is brought to bear or it is used any length of time, and at the same time to produce an article that is very smooth, very black and very firm, thus adapting it for all kinds of work where a fine, smooth, black and legible mark is required, this pencil cannot be too highly commended. For writing on soft paper it surpasses anything heretofore produced; and for sketching, draughting and heavy shading it is indispensable.

Dozen mailed on receipt of 50 cents. Samples, Catalogue, Information upon Application. Address
American Lead Pencil Co., 429 Broome Street, New York.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.



"A WINNER."
The Safety Rubber Cement Outfit.

EASY TO APPLY.
QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING, Hot Water Bottles, Syringes and all Rubber goods.
The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of 15 cents.
Bicycle and Hardware trade supplied.
Send for circular and price list.

The Hugh Campbell Co.,
45 Union Street, Boston.

The McCrum
Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
312 Dorchester Ave.,
SO. BOSTON, MASS.

DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have You our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.

P. S. STUB'S FILES. TOOLS. STEEL.
Hubert's French EMERY PAPER.
KEARNEY & FOOT FILES.
ADDIS'S Carving Tools.
Chesterman's TAPES AND RULES.
TWIST DRILLS, TAPS, DIES, Machine Screws.

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST. NEW YORK

CABLE ADDRESS "BUNDLET NEW YORK."

CASTINGS
SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.
C. H. Angus, - Albany, N. Y.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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THE ORIGINAL IS THE BEST.
ROYAL CENTRAL DRAFT LAMP.

This Lamp has no Superior in the known world.

Gives the Largest Light for Wick Exposure of any Lamp made.



ROYAL LAMP.—No. 1013.

Chimney Lift and Wick Raising Device the best and easiest of adjustment. There are many imitations of these improvements, but the **ROYAL** is still the best.

The Royal Chimney. Lift will stay in position while lighting the lamp without support from the hands. This no other lift device will do.

The Wick Raising Device of the Royal Lamp is unquestionably the best, and has the approval of our largest competitors by their practical adoption of it.

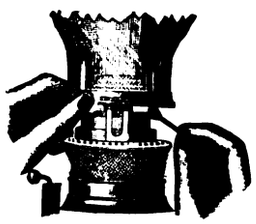
The Wick can be adjusted more accurately and more easily than by any other device.

Workmanship, Style and Finish are unsurpassed. Made in all finishes of Stand, Table and Banquet Lamp. No better lamp for the dealer to handle.

The Plume & Atwood M'f'g Co.

29 Murray St., New York. 199 Lake St, Chicago, Ill.

The



B & H
LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.

—"The B & H"—

is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes



We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

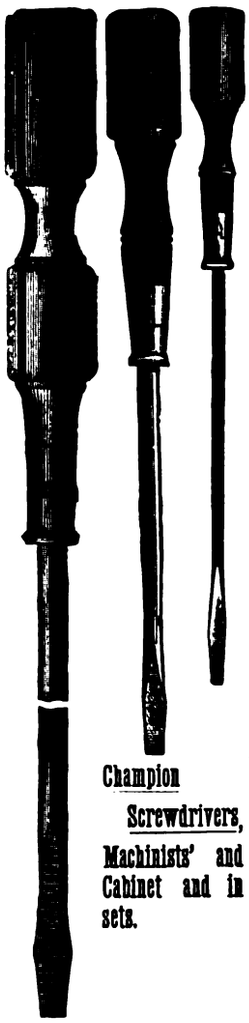
NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

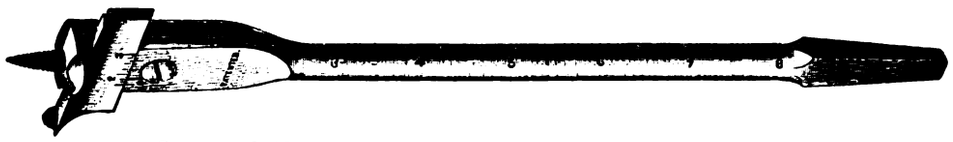


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Carpenters and Machinists' Tools.



Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

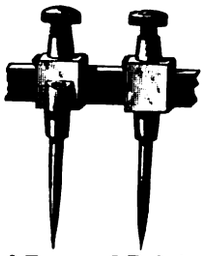
Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



Plumb Bobs and Trammel Points.



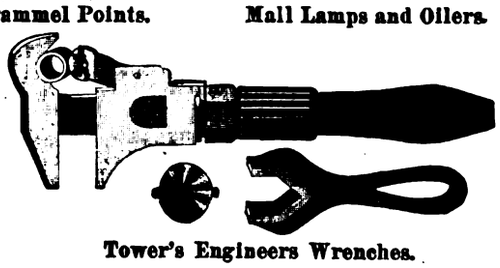




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.

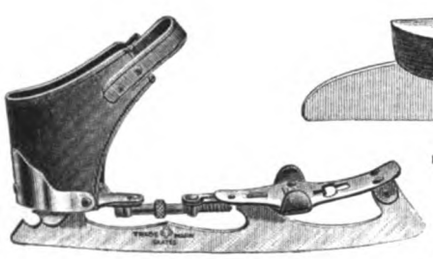


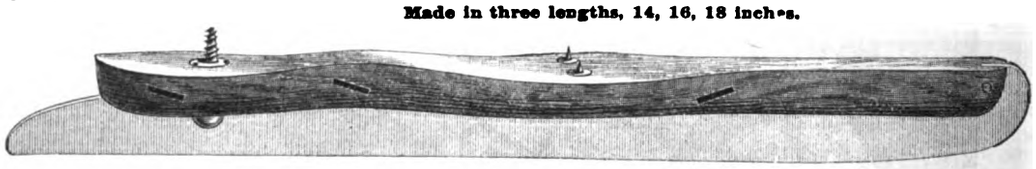
UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.

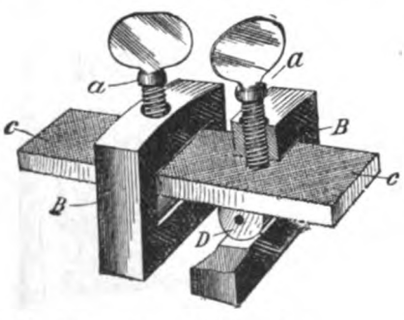




The Union Skate Sharpener

A New and Useful Article

Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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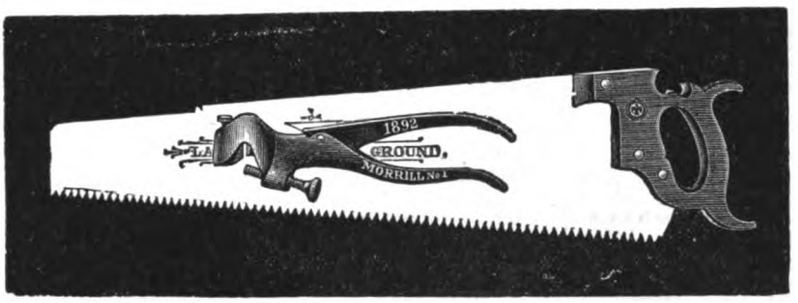
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind. BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original TUTTLE TOOTH, the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE ATKINS SAWS TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch. $2.25 | 15 inch. $3.00 | 18 inch. $3.50 | 22 inch. $5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	⅝—1¼	1¼—2	2 —3
Roundiron	⅛—¾	⅜—1	¾—1⅜	1⅜—2½	2½—3½
Length	5	9	16	22	27
Per Dozen.	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.



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F. KLAGES & CO., 107 Chambers Street, 91 Reade Street, New York City.

SOLE AGENTS FOR U S. AND CANADA FOR THE

Buchanan Brass Hardware Co., Limited,

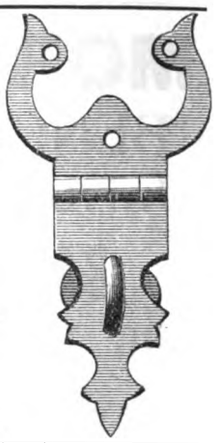
Manufacturers of BRASS and BRONZE HARDWARE.

Door Pulls,
Shutter Bars,
Drawer Pulls,
Corner Plates,
Hook Sash Lifts,
Mirror Plates,
Flush Sash Lifts,
Plate Escutcheons,
Cabinet Escutcheons,
Fire Screen Hinges.

Moulding Hooks,
Fancy Box Hinges,
Refrigerator Hinges,
Fancy Cabinet Hinges,
Box and Chest Corners,
Brass and Zinc Washers,
Floor and Ceiling Plates,
Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks,
Hinge Plates,
Stair Corners,
Stair Buttons,
Loose Pin Butts,
Strap Hinges,
Door Numbers,
Shelf Brackets,
Padlock Hasps,
Mending Straps.

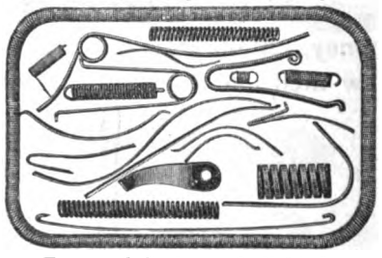




For
Brass Safety Chains
Write
ROME BRASS & COPPER CO.,
ROME, N. Y.

TUCK MFG. CO., Brockton, Mass.

Springs, Tools & Cutlery.



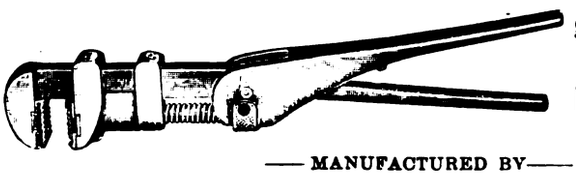
Send for Tool Catalogue.

Tempered Springs of all kinds.

This Wrench



Is becoming a

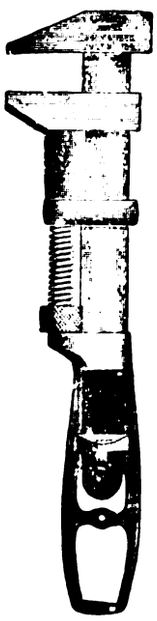


general favorite among Steam-Fitters, Jobbers and Plumbers.

—MANUFACTURED BY—

Wright Wrench Co.,

28 Bellevue St., Worcester, Mass.



L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

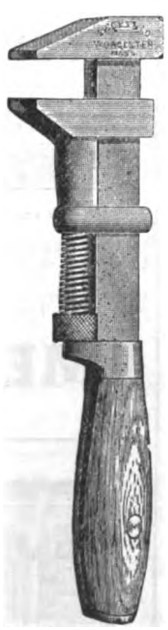
Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞Straight Bar, Extra Long Nut for Screw in Jaw.☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.



The Attention of Ladies
is specially called to the numerous advantages of

"SELVYT" BRAND

Polishing Cloths

(Trade-mark registered at Washington, Aug. 6, '95.)

Now being sold by all leading stores throughout the country, at 10 cents upwards, according to size. They entirely do away with the necessity for buying expensive wash or chamois leathers, which they out-polish and out-wear, never become greasy, and are as good as new when washed. Sold hemmed ready for use, and should be in the hands of all domestic and other servants.

For sale by all Dry Goods Stores, Upholsterers, Hardware and Drug Stores, Cycle Dealers, etc.

Wholesale enquiries should be addressed, "SELVYT," 381 and 383 Broadway, New York.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

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The Largest and Most Complete File Works In The World.

NICHOLSON FILE COMPANY

PROVIDENCE, R. I.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all Shapes,
For General Work,
etc.

3000 Varieties, Increment Cut Files and Rasps.

OHIO "WATER TIGHT"

STEEL MORTAR and BRICK HODS



OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight" Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.

With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.

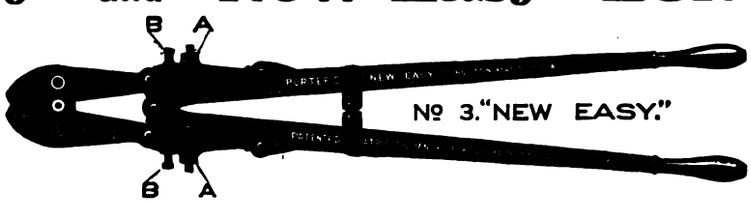


The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

OVER 35,000 SOLD.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
C. C. Clarke, Sec'y & Treas.
A. Weed, Vice-Prest. & Gen. Manager.





Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 83 Reade Street, NEW YORK.

Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI...
WASHERS.

BIG MONEY TO LIVE DEALERS.

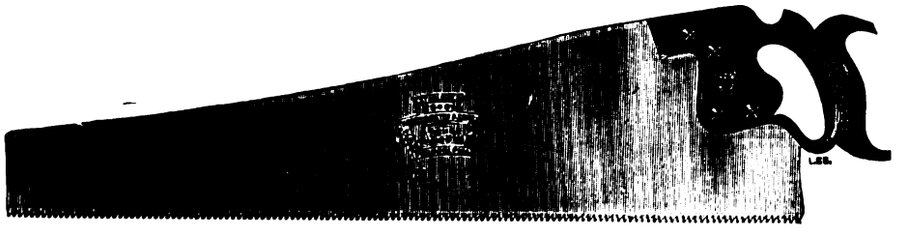
Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

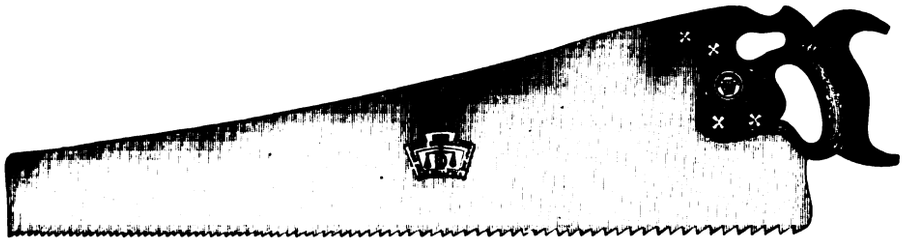
214-216 West Pearl St., Cincinnati, O.



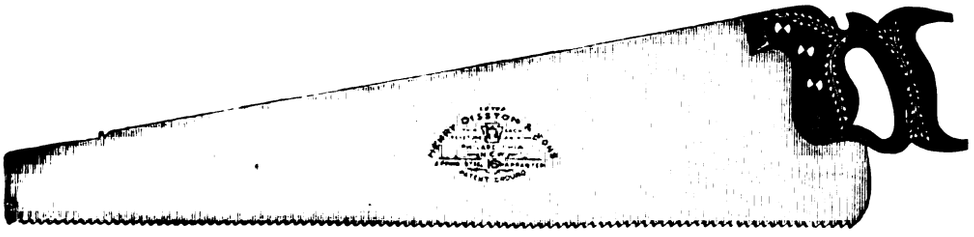


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

—EVERY SAW FULLY WARRANTED.—

Henry Disston & Sons,

(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

Carried in stock by all Jobbers.

NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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Great Western Files.

Important Announcement.

The Plant of the Great Western File Co., at Beaver Falls Pa., formerly known as the Western File Works, is now operated and controlled by the

Nicholson File Co.,

Providence, R. I.,

who already own and operate three distinct plants in Rhode Island. Since obtaining control of this property important changes have been made in the arrangement of buildings. Numerous machines added of the latest and most modern type, so that the Plant in its entirety is now, with the exception of the Nicholson, at Providence, the largest and best equipped file works in the world. The product will be strictly first quality and known as the Great Western Brand.

Main Office and Address :

Nicholson File Co.,
Providence, R. I., U. S. A.

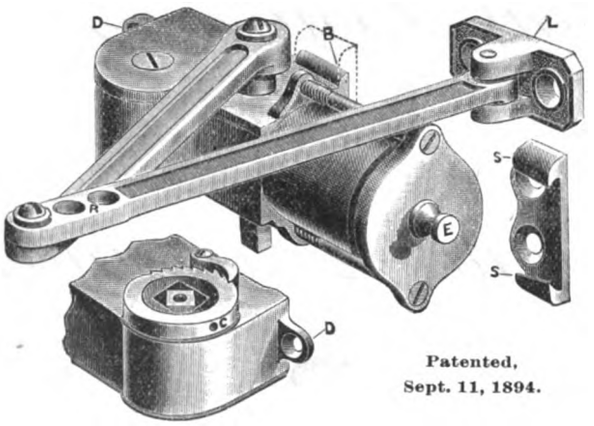
Operating four distinct plants :

Nicholson--- Providence, R. I.
B. F.--Providence, R. I.
Great Western--- Beaver Falls, Pa.
American--- Pawtucket, R. I.

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THE ROYAL DOOR CHECK AND SPRING.

The Latest, Cheapest, Best.



Patented, Sept. 11, 1894.

Simple, Compact, Strong, Durable.

The *Royal* has a *compressed air check.* No liquids to freeze up or leak. Doors open easily. No back suction. Easiest attachment. Does not require a skilled mechanic to put them on. Improved ratchet for increasing tension on spring. Will fit right or left-hand doors.

PRICE LIST:

	BRONZED.
No. 1, for Light Screen Doors	each, $2.40
No. 2, for Medium Inside Doors	" 3.30
No. 3, for Large Inside or Small Store Doors	" 4.30
No. 4, for Large Store or Vestibule Doors	" 5.60
No. 5, for Extra Large Doors	" 7.00

Packed One Dozen in a Case. Write for Trade Discounts

DIRECTIONS.

Place the shoe (S) in an upright position on the door, about six inches from back and flush with the top; *fasten securely;* slide the check into the shoe until the lugs (B) fit solid, then put in the end-screw (D). Bring arm (L) down to the transom-rail till it rests firmly, then put in the screws and the spring is ready for adjustment.

HOW TO ADJUST IT.

The thumb-screw (E) regulates the air check. A very slight turn changes the result. If the door slams, tighten it up. If it checks too soon, loosen it. It should check about three inches from the closing. If the spring is weak, increase the tension by turning up the ratchet-wheel (C) one cog. Care should be taken that the spring is not made too strong. If the spring swings the door easily, it is strong enough. Regulate the closing by the screw (E). In case that the transom-rail has a raised moulding, shorten the arm (R) by changing it into the next hole. Also, in putting the arm on the pintle, see that it is *securely fastened* and *rigid.* The checks are reversible for right or left-hand doors by simply changing the arms from one side of the pintle to the other. Follow the above directions, and the spring will give good satisfaction.

W. H. QUINN & CO.,

General Agents. 108 Chambers St., New York.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

-:-PERCUSSION CAPS OF ALL KINDS.-:-

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

See our Full Page Statement

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

On page 59 of this Issue.

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HARDWARE

VOL. XI. SEPTEMBER 25, 1895. NO. 12.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the

HARDWARE PUBLISHING COMPANY.

No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:

CHICAGO, - - - - - - No 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 101 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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Elevator Inspection and Protection.

It is a fact recognized in the experience of all, that constant exposure to a danger, largely removes the dread of the same. This fact is emphasized by daily experience and observation in any of the new sky-scraping buildings that are being so rapidly erected in all parts of New York city. Each of these contains elevators that travel many miles each day. In many cases these aerial railways are regularly inspected by guarantee companies organized for that form of insurance. In others there does not seem to be any inspection at all. Perhaps not one man in a ten thousand of those who use these elevators each day, has ever been in one when it dropped through accident; but if that one man is discovered and interviewed, he will certainly use some emphasis in expressing an opinion that the most rigid system of inspection would fall short of the mark of perfect protection.

The writer of these lines had the experience of being in an electrical elevator some days since, when it dropped four or five stories, before yielding to control; and the repeated assurances of the elevator conductor that there was no danger—given, however, after the bottom was reached—failed to remove the natural shock which the sudden fall had caused.

It is only a question of time when some frightful disaster in one of these long-distance elevators will be chronicled, and the fact that such has not yet been the case is no proof of safety for the future. The sudden stoppage, after a descent of a half dozen stories at cannon-ball speed, is apt to shake to pieces the gear of any elevator that science has ever been able to construct. The old-fashioned steam elevator may not be so rapid in its ascent and descent as the new-fangled electrical devices, but nevertheless there is in it a sense of safety which electrical elevators fail to provide. The legislator who will make it his business in the forthcoming session of the State legislature, to see that there are laws enacted, passed and put into force, for the safety of these appliances, will cover himself with enough glory to re-elect him as many times as he wants to go to Albany. Now that the use of elevators has become so universal, and so many hundreds of thousands of our citizens use them every day, it is time some steps were taken for providing the best possible appliances, and enforcing their use by law.

The Railway Speed Competition.

The great speed competition which has been waging for some time past between the trains on the London & Northwestern Railway and Great Northern Railway running between London and Aberdeen, has bore fruit here. The records of the English flyers, which were recognized to be the long distance records of the world, have been smashed by a flyer on the New York Central, which covered the distance between New York and Buffalo, 436½ miles, in the unprecedented time of 407 minutes, or 6 hours and 47 minutes, giving an average speed of 64⅓ miles an hour, with two stops and twenty-eight slow-ups. In comparing the English and American records, it must be borne in mind that the New York Central train weighed 207 tons, or nearly 135 tons more than the record breaker on the London & Northwestern; and again our English cousins have other advantages, there being no grade crossings to slow up for, and the general condition of the road bed is superior. We do not care to discuss the wisdom of these speed trials. A certain amount of benefit may be derived from them, though this is undoubtedly offset by the additional danger of collision and the delay to the ordinary traffic on which a railroad company must necessarily rely for its profits. A reasonable increase of speed on all the lines in the country, would be hailed with delight by a long suffering public, as nothing is more trying and disagreeable than a long ride on a slow train.

The opening of the Cotton States and International Exposition, on September 18th, Atlanta, Ga., marks a new epoch in the industrial development of the South. Until recently the South was regarded as an agricultural section, rich in cotton, sugar and tobacco, but of late the eyes of the country have been opened to her mineral riches, and the constant establishment of factories within her borders is a strong indication of the extent of the South's industrial attractions. In many sections of the South are found immense deposits of both iron and coal, and ere long we may expect to see her hold her own in the manufacturing world. The exposition now open is one of great importance, and

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its completeness of detail shows how hard our Southern brothers have worked to make it a success. The machinery was set in motion at 6.56 P.M. by President Cleveland, who pressed an electric button in his summer residence at Gray Gables, Buzzard Bay, Mass.

R. Lindsey Coleman's Atlanta Banquet.

All wheelmen who can make it convenient to be present at Atlanta during the closing days of November are invited to partake of the hospitality of R. Lindsey Coleman, President of the Western Wheel Works, who is arranging to entertain wheelmen from every state in the Union, no matter in what numbers they may come. The following communication has been received from Mr. Coleman:

NEW YORK, Sept. 12, 1895.

EDITOR HARDWARE: Having decided to entertain as many representative wheelmen and their ladies as may find it convenient to be present in Atlanta on November 30th next, and wishing all such to feel that they are, individually and collectively, heartily welcome as my guests, I take this method (as it would be too great an undertaking to reach them by personal invitation) to ask all wheelmen from whatever country they may hail, to break bread with me at Atlanta on the evening of November 30th next.

In preparing for a banquet of such dimensions as I sincerely trust the coming feast will assume, the importance of knowing in advance the number for which plates are to be laid, is apparent. I should be obliged therefore, if all wheelmen who anticipate being able to accept, will forward their acceptances, not later than November 1st, to Harry C. Palmer, manager, Potter building, New York city.

Thanking you in advance for the courtesy of space for this communication, I remain,

Sincerely yours,

R. LINDSEY COLEMAN.

Kansas Hardwaremen's Banquet.

Some evenings since the members of the Kansas City Implement, Vehicle & Hardware Club and a few invited guests feasted together. The occasion was the opening of the fall and winter sessions of the club, which, beginning with the third Monday in October, will be held once a month. It has always been the custom of the club in the past to begin its season every fall with a banquet, and this affair was one of the most elegant and enjoyable yet arranged. Colonel J. G. Stowe occupied the chair of president, and the club members around the board were: Messrs. W. J. Hankins, R. B. Crawford, S. P. Yeakel, George H. Taylor, H. S. Rhodes, George E. Giles, A. Q. Chase, G. W. Fuller, F. E. Lally, G. J. Ferguson, A. W. Calkins, A. G. Trumbull, W. E. Manning, M. H. Loose, W. S. Harrington, John Maloney, O. V. Dodge, A. Gallagher, W. P. Yancey, J. H. Milligan, J. H. Ford, C. A. Patterson. The guests were: Messrs. John Sullivan and W. A. Lawton, representing the Karnival Krewe; Messrs Nain Grute and Smith Hall. It was decided to accept an invitation from the Implement Dealers' Association, of St. Louis, to visit that city, and the club will go down there in a special car.

Richard W. Montross, proprietor of the Wolverine Handle Factory, Galien, Mich., is spending a few days in the East, in attendance upon the fifty-seventh anniversary of the marriage of his parents. The father is ninety years old and the mother eighty. His grandfather, Richard S. Williams, was one of the early mayors of New York City. Mr. Montross was himself born in this city, and takes great pleasure in his annual visit home.

The Grand Rapids Cycle Co., Grand Rapids, Mich., celebrated a very successful season by giving their employees a dinner at the Lakeside club-house, Reed's Lake, Mich., on the evening of September 12th. Special cars, music, and a happy enjoyment of it all were among the features of the occasion.

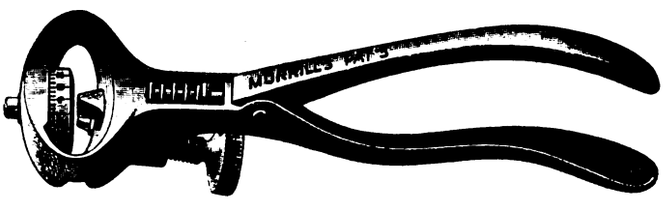
Ahead, as Usual.

The first trade organization to meet in the Bourse, the Hardware Merchants & Manufacturers' Association of this city, met in the assembly room, on the third floor, yesterday afternoon, and resumed business after the summer vacation. William W. Supplee, president of the local and also of the national associrtion, presided, and, in his welcoming address, complimented the directors of the Bourse on the consummation of their building work. He reviewed the history of the Association since its organization, on February 8, 1886, and stated that there were now ninety-eight enrolled members, representing the leading Hardware interests of the city. A paper relating to the history of the growth of Philadelphia's enterprise in different directions was read by James H. Ritter. Stating broadly that cities are successful through their merchants, he showed how Philadelphia had been so, and instanced the building of the Bourse as a noteworthy step in the right direction. At the conclusion of his address a vote of thanks was tendered, and Secretary Fernley was requested to have the address printed for distribution. It is interesting to note that of three national trade associations Philadelphia is the home of their presidents. The Hardwaremen are presided over by Mr. Supplee, the manufacturers by Thomas Dolan and the board of trade by Frederick Fraley.—*Philadelphia Ledger.*

Mr. Morrill Addresses the Trade.

To the Trade and Consumers: The world still moves, and too at such a rapid pace, that people on foot can not keep up with the crowd. So get out your bicycles, line up, and make ready for the start, else you will be left in the rear. Morrill's New '95 Saw Set is coming, and no one can afford to be left in the lurch.

The Set has only to be seen to be approved; it explains itself, so that anyone can readily adjust it to any hand saw,



and proceed to his work with confidence, and know that he is right and that his saw will do its work with unerring certainty.

This is a leap into the future that none, however cautious, will hesitate, as there is no danger ahead; you are certain you will have reached the goal, and prove that the human body is all soul. Who will then deny the biped's capability, or say he cannot reach perfection ability, who will then deny, unless he is gravel blind, over matter the omnipotence of mind.

In a short time the '95 Saw Set will be on sale in all Hardware stores at a price within the reach of every industrious man.

Please observe the revolving anvil with the indicator subdivided and marked with plain figures, each figure indicating the number of teeth to the inch in the saw to be set.

Respectfully yours,

CHAS. MORRILL.

The Nicholson File Co. are able to give their many correspondents an object-lesson as to the size and extent of their works. Upon a handsome new letterhead they have had lithographed a picture of their four plants—the Nicholson File plant No. 1 at Providence, R. I., plant No. 2, for X F files, at the same place; American works at Pawtucket, R. I.; and the Great Western File Works at Beaver Falls, Pa. It makes a strong and attractive showing.

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New President of the Hardware Club.

A meeting of the Board of Governors of the New York Hardware Club was held on Monday, September 16th, at which considerable business of importance was transacted. In the absence of Vice-President Swayze, the chair was occupied by R. R. Williams. The following gentlemen were elected to membership:

Frank Baackes; Salem Wire Nail Co., Salem, Ohio.
Montague Stanley Tweedie, No. 9 Stone Street.
Henry H. Goddard, No. 10 Barclay Street.
Fred. J. Johnson, Fitchburg, Mass.
Jasper R. Rand, No. 23 Park Place.
Edward F. Du Vivier, No. 22 Warren Street.
Le Roy W. Baldwin, No. 60 Murray Street.
John P. McDermott, No. 76 Reade Street.
Charles L. Johnson; United States Rubber Co., No. 90 Reade Street.
Charles H. Dale, president Peerless Rubber Mfg. Co., No. 16 Warren Street.
George H. Ismon; Salem Wire Nail Co., No. 277 Broadway.
C. I. Markham; Cleveland Twist Drill Co., No. 99 Reade Street.
S. Y. L'Hommedieu; Columbia Rubber Co., No. 66 Reade Street.
Frank Harvey Field, No. 261 Broadway.
Edward S. Peck, No. 261 Broadway.
Alfred S. Major, American Bank Note Co.
Abbott Loring, Boston, Mass.

At a previous meeting a committee had been appointed to prepare resolutions of respect to the memory of William H. Williams, the late president of the club, and on behalf of that committee the following memorial was presented and adopted, by a rising vote:

WILLIAM HILTON WILLIAMS.

We desire to place upon record our appreciation of the invaluable services rendered this Club by William Hilton Williams, whose death has come to us and to the membership of the Club of which he was the honored and efficient President, as a personal sorrow. We recognize the influential part which he had in the organization of the club and in the subsequent direction of its affairs. He possessed in a marked degree not only the qualities which made him an efficient and felicitous presiding officer, but a rare combination of wisdom, energy, breadth of view and tact such as are required in the direction of affairs. These traits together with a charm of manner and a sincere cordiality and courtesy, and the honor in which he was held for his personal worth contributed to make him an ideal president. To this office he was repeatedly chosen, and has been the Club's only president.

Coming to our city in his youth almost his whole business life, first as a faithful employe and then as an upright and honorable merchant, was spent among those who now deplore his loss. We recognize not only his ability but his high ideal of uprightness, and the sterling integrity which characterized all his dealings. In these relations also his personal qualities endeared him to those with whom he was brought into contact, and our loss is thus shared by many merchants throughout the land to whom he was united by friendly ties, which in the warmth of his nature were highly prized.

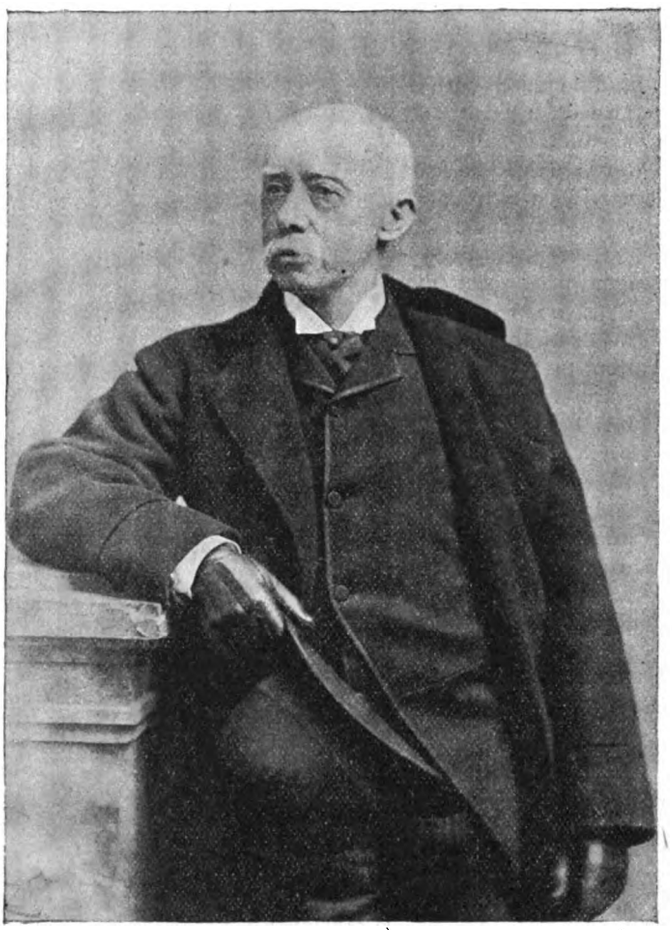
Mr. Williams exerted a wide influence in public matters in the city of his home and always on the side of good government. He thus held a prominent position as an able and distinguished citizen.

The affection with which he was regarded by those with whom he was brought into close relations is a testimony to his goodness of heart and many admirable qualities. The governors and members of this club will value the sincerity of his friendship and cherish his memory.

It is not permitted to refer to the sorrow of those nearest to him, to whom his death is a deep and sacred grief, further than to express our profound sympathy, and to commend them to the divine comfort and grace.

It was thought by the board that the time had come for the election of a president, to fill the vacancy caused by the loss of the first and only president of the board, and on motion the board proceeded to take action to that end. The minds of the members had by general consent turned to Peter McCartee as the most fitting successor to Mr. Williams, and the one who by his early and continued labors in behalf of the board had well earned such recognition. It was therefore but an expression of opinion of all of the members when Mr. Clinch in placing Mr. McCartee in nomination expressed the following sentiments:

"Mr. Chairman: The time has arrived when the duty devolves upon us to fill the office of President of our Club, made vacant by our loss, the death of our greatly beloved associate, William H. Williams, the first and only President our Club has had. The office to be filled is worth the seeking by any member of our trade, but we do not expect to find one who will fill the position as Mr. Williams did. As a presiding officer he was an example for emulation by those who will in the future hold the office. As we consider upon whom the mantle of Mr. Williams shall fall, we see no one more worthy than he who is our respected member and friend, with whom it is a pleasure to associate and whom we love to honor. And now, Mr. Chairman, I have the honor to nominate as President of the Hardware Club of New York, Mr. Peter McCartee."



PETER McCARTEE, PRESIDENT HARDWARE CLUB.

The election was unanimous, and when Mr. McCartee was installed in his seat as chairman, he made a few happy and heartfelt remarks which showed that he highly appreciated the compliment that had been paid him, and in which he pledged himself to do everything in his power to further the interests of the board.

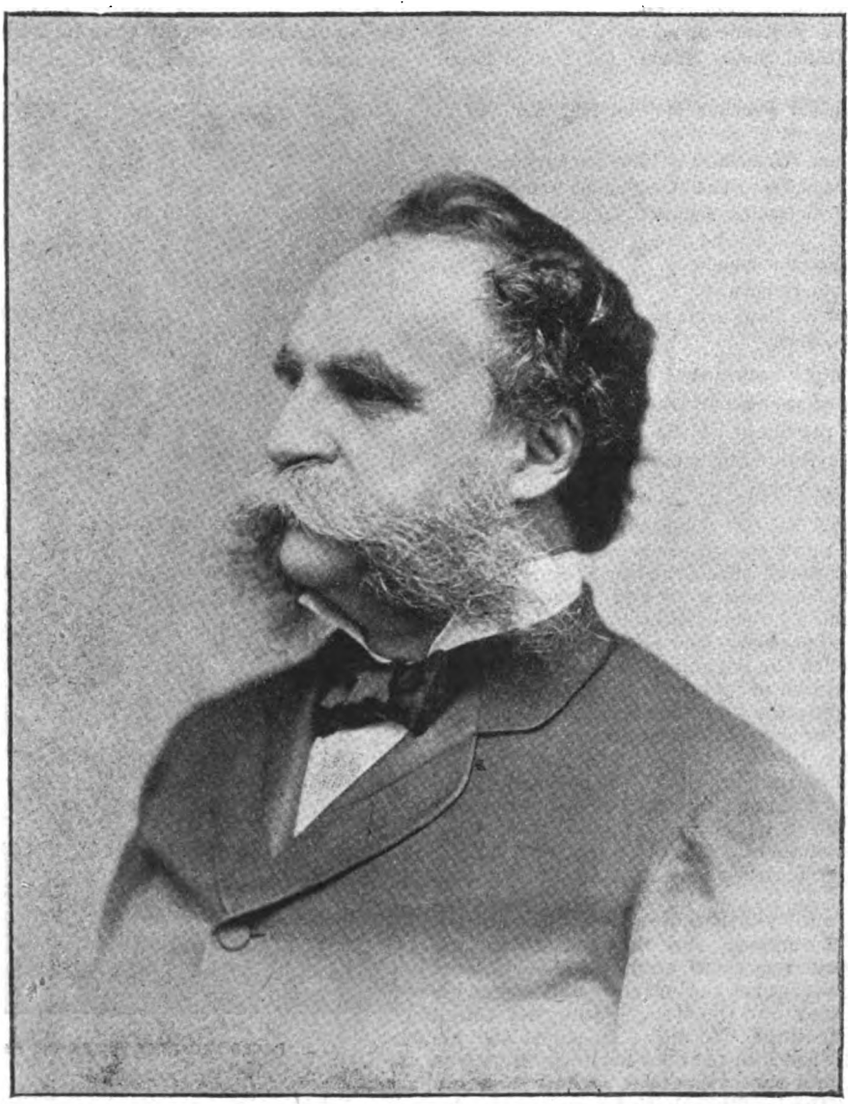
The vacancy in the board caused by the death of Mr. Williams was then filled, on nomination of Mr. Clinch, by the unanimous election of George H. Sargent, of Sargent & Co., there being no other candidate proposed. It is needless to say that this action of the board will find endorsement by the club, and the Hardware trade at large, as certainly no one more widely known or highly esteemed could have been selected than the new member of the board. Mr. Sargent has since signified his acceptance of the position, and expressed his desire to make himself a useful member of the board in all possible ways.

We have already had the pleasure of laying before the

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trade the biography of the new president of the board. He has been in the Hardware business since 1848, when he commenced as an errand boy in the Hardware store of Wetmore & Co., on Vesey and Washington Streets of this city. His continued advance through various positions of trust and honor, was the highest guarantee of his usefulness and ability as a Hardwareman, and his present prominent position as the New York representative and vice-president of the Stanley Works, is but another evidence of his eminence in that portion of the trade which finds New York as its center. His labor in behalf of the Hardware Club as first chairman of the house committee, and the ability which he has shown in various positions since that, has shown his usefulness as a member of the board, and that influence will be widened and increased with the enlarged opportunities and labors which have now been committed to his hands.

George H. Sargent, of Sargent & Co., certainly needs no introduction to the Hardware trade. He has been a member thereof for near forty years, and the very prominent position which his house holds in that trade is his best monument. His ability, force of character and geniality, are the factors which have given him his remarkable success as a Hardware manufacturer and merchant, and the club is to be congratulated now that those qualities have been especially enlisted in its service. We take pleasure in presenting herewith a portrait of the new member of the board, and also one of the new president.



GEORGE H. SARGENT, GOVERNOR HARDWARE CLUB.

Sportsmen's Exposition for '96.

The trustees of the Sportsmen's Exposition Association held a meeting in New York on September 17th and decided to hold the Second Annual Sportsmen's Exposition from March 16 to 21, 1896, inclusive, at the Madison Square Garden. A committee made up of J. A. H. Dressel, J. Von Lengerke and Alfred Chasseaud were chosen to have charge of the Exposition, and will be in continuous communication with F. W. Sanger, who will have the direction of the coming event. It will be remembered that the success of the 1895 Exposition was largely due to Mr. Sanger's efforts. Arrangements are being made for a greater display than ever, and a larger measure of success is looked for.

Kearney & Foot Co. To the Trade.

The Kearney & Foot Co., No. 100 Reade Street, New York, issue the following, under date of September 14th, 1895:

Owing to advance in price of steel during the past six months and also the fact that even with increased facilities we find ourselves unable to ship orders promptly, and also to the advance of other material necessary in the manufacture of files, we propose to advance prices on the 1st of October next.

We deem it the proper thing to notify our customers of this proposed change, presuming they may wish to place orders at the old prices. We will accept moderate orders at present figures, all to be specified for by October 1st, 1895, and shipped prior to January 1st, 1896, we reserving the right, in view of the present rush of business, to ship as late as March 1st, 1896.

It has been our constant aim to put a file on the market second to none, and with that end in view we are today paying extra prices for steel to secure the best quality, also the highest prices for skilled labor. Soliciting your continued patronage, we are,

Yours resp't'y,
KEARNEY & FOOT [Co.
JAMES D. FOOT, President.

A Window Glass Trust.

A dispatch from Chicago, under date of September 17th, says: Arrangements for a combine of all the window glass manufacturers in the western district were perfected at the Auditorium here yesterday, and the price of window glass was increased 8½ or 9 per cent. Hereafter the entire product of the seventy window glass concerns in the district, whose capacity is 4,800,000 to 5,000,000 boxes a year, worth $10,000,000 to $12,000,000, will pass through the hands of but two sales agents, one at Pittsburg and another in Indiana. The glass bottle manufacturers expect to complete a similar organization.

In Favor of Cushman & Denison.

Cushman & Denison write us that word has just been received from Washington that the Examiner of Interferences has decided in favor of Cushman & Denison in the suit brought by them against the company who are making an oil can similar to C. & D.'s "Star" Oiler.

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Hon. Charles W. Mackey on Progress.

At the recent celebration of the one hundredth anniversary of the founding of Franklin, Pa., an address was delivered by Hon. Charles W. Mackey, ex-president of the American Axe & Tool Co., upon the theme, "The Men who have made the City of Franklin Famous." The address was eloquent, full of historic information, and contained many ideas of a striking and original character. We cannot forego the temptation to quote some points of Mr. Mackey's eloquent conclusion:

"Conservatism in all things is a desirable attribute, but too much conservatism dwarfs communities as well as men. The buoyant, sanguine, aggressive man, although he may at times overreach himself and undertake that which is difficult of completion, yet he is the man who originates and brings into existence and forces into importance those measures, enterprises and policies which, although they may be shorn somewhat of their original features by the more conservative, yet, nevertheless, end in the accomplishment of great purposes and push the world rapidly, irresistibly, impetuously, I might truthfully say, forward to the attainment of a higher civilization and to a grander and loftier station among the peoples of the earth.

"When a man reaches that time of life when he can, in justice to himself and to others, substantially retire from the perplexities and annoyances of business, it is eminently proper that he should do so. But for a man who is in the full vigor of ripe manhood to assume and carry out in his business affairs that spirit of conservatism which should characterize the aged alone, then, in my judgment, he fails in the performance of the duties he owes not only to himself, but to his fellow-citizens. In these latter days of the nineteenth century there is or there should be no room for sluggards or drones in the great hive of activity. When we are rushing, as we are, with fearful rapidity from small to great and from great to greater every man should do well his part in assisting in the development of the resources of his country and of forcing her into such a position of wealth, power, grandeur and greatness as to make her splendor, her virtues and the happiness of her people superior to those of all the other nationalities. It would seem to be better, nobler, more praiseworthy to have the satisfaction of being the originator, the projector, the creator of some great enterprise, or policy, or measure, than to live in the luxury produced by the proceeds of investments realized after long years of self-denial and rigid economy.

"What the future will bring to this community depends largely upon the action of those who are here to-day. If we are entirely satisfied with our surroundings, and I am sure that in many respects we should be, we will remain practically where we are; but, on the other hand, if the citizens of this town will make up their minds to be more aggressive, more determined, more selfish, if you please, in their desire for the upbuilding of the city, I am confident our development will be rapid and our prosperity correspondingly greater. Do not understand me as finding fault with our present condition of affairs. In many respects we have very much for which to be proud. A more beautiful town can scarcely be found within the limits of the nation. A more happy, contented, refined, educated, dignified community, in my opinion, does not exist in the Commonwealth; but we should not be contented with this. We should strive for that goal, which, if attained, would prove conclusively that we, as a people, had utilized all our possibilities in the development of all our material interests. We should make this an ideal city—the abiding place of extraordinary culture, refinement and wealth, and also a conspicuous centre of industrial activity and progress. We should take advantage of our excellent, our commanding, our meritorious position. We should set our standard higher and should move onward and upward with determination and confidence, seeking the very *ultima thule* of all it is possible for us to attain in the way of development and progress. If we will do this; if we will simply use with vigor the benefits and possibilities within our grasp, those who come after us and those who celebrate the bi-centennial of the foundation of our town, can call up the history of the past and point with honor, pride and satisfaction to the achievements of their ancestors."

Bicycling in Bogota.

EDITOR HARDWARE: It may interest some of your readers to hear something of what is going on with regard to bicycling in this out-of-the-way corner of the world. Four years ago, when I first came to Bogota, I saw at once what a splendid country it was for the bicycle. Situated as it is on an immense plain some 8500 feet above the sea, with fairly good roads extending for many miles and with a lovely climate, it seemed astonishing that the bicycle rage had not penetrated to this remote region—but things move very slowly in Colombia.

When I returned to England, I mentioned to the Coventry manufacturers that this was a new market, worth cultivating, and even offered to bear the expenses of taking one or two machines out with me as samples to show the natives, but they did not see it. "They would not throw their bread upon the waters." They did not know exactly where Bogota was, and they would much rather have sent them to Central Africa. About six months ago one or two "Safetys" appeared in the streets, brought from New York. I think the first was brought by the President's son, who had been at the World's Fair. Since then the numbers have increased (all American machines), and I suppose there are over one hundred now running, and before the end of the year there will be at least five hundred. I see the "Columbia" have appointed agents here, and they are advertising these makes and taking orders. Already a club has been formed under very good auspices, and members are being enrolled daily, and this will give a great stimulus to the business.

This city contains some 130,000 inhabitants. There are only two short railways, going north and south, so that on horseback is practically the only means of locomotion, but horses cost money to keep, and in times of revolution the government have a nasty trick of seizing every horse on which they can lay their hands, without so much as asking "by your leave." Therefore on these great plains as bicycles are just as good for getting about on as horses, I prophesy a great future for them.

I read your valuable paper with great interest and pleasure, and shall be happy later on if you will grant me space, to give your readers some information on Hardware generally in this country. WM. DARLEY BENTLEY.

Bogota, Republic of Colombia, P.O. Box 328.

The invention of bullet-proof shields is enlarging, and in this connection it is worthy of note that a point is laid down by a New York engineer, which is that the outer surface of such material should be of a soft yielding material. This breaks the blow, and then the resisting material is apt to ward off effectually the force of the projectile. If the outer surface is hard and unyielding, the blow is sometimes so great as to overpower the recipient of the shot, and instances are on record that men on the battlefield have actually been killed by this shock. The whole subject is an intricate one, and the progress made in it is not such as to deter the inventor from thinking out new devices.

Patten & Stafford, manufacturers of wheel rakes at Canastota, N. Y., report a sale of 6500 rakes this season. They are erecting two new factory buildings, which will give them facilities for an increased output next season.

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Those Fallen by the Way.

A merchant of many years' experience, and well-known to the trade, writes us upon a point that must touch a sympathetic cord within the hearts of all our readers. He says:

"For the purpose of renewing trade with a list of customers whose names were on our books eight or ten years ago, but from whom we had not heard since, I prepared a special circular-letter this spring and mailed to about fourteen hundred such addresses. I made it quite personal, giving it a very friendly tone, and offered as an excuse for sending it the fact that having formed their acquaintance n past years I did not want to lose it, but was desirous of renewing it once more.

"These letters went from Maine to Oregon, from Michigan to Texas, and I was quite anxious as to the responses I should receive. I will say here that, as a business getter, they paid, but the special point that impressed me was the large number that were answered by friends or relatives of the ones to whom I had written, telling me of the death of these. It was saddening to see how many were gone. I got so that I dreaded to open the special envelope that I knew contained an answer to this circular. Of course we all realize that Death is making havoc constantly in the ranks of our friends and customers, but my circular had, as it were, massed the deaths of eight or ten years into one month. The father, or husband, or brother to whom I had written had passed away, and my letter seemed to be so friendly and so personal, a surviving relative had felt called upon to write me to this effect.

"It is only in such a way as this that one is brought to realize how many of his friends and pleasant acquaintances have gone before him. It has not only a tender but it has a practical side to it. Every business man is, through removals and through death, losing customers year by year. Is he making note of this and securing others in their places? New faces come upon the scene; is he making their acquaintance and securing his share of their trade? To cease to push out for new trade is to fall behind."

Electric Lighting for Carriages.

Gas lighting, which was common in London as early as 1810, was not introduced into Paris until 1819, and more than twenty years elapsed before its use as an illuminant became general in France. On the other hand, when we turn to the subject of electric lighting, it must be admitted that France has taken a foremost rank among European nations in adopting the electric light. In Paris, electrically lit private carriages have, for the last five years, been extensively patronized by the affluent classes, but only recently has this process of lighting been applied to private carriages in London and Berlin. The Prince of Wales was the first to adopt it in London, and now we learn that the German Emperor has brought the resources of his active mind to bear on the subject of lighting carriages, and, as a consequence, the court carriages in Berlin are now lit by electricity, not only by outside lanterns, but also in the interior, which is illuminated by a series of accumulators carried in the vehicles. "All over the harness are placed what the Germans call *Gluhlampe*, or small, colored lights, which glow like fireflies when the carriage is in motion."

There seems no valid reason why all public conveyances, cabs, omnibuses, tram cars, etc., as well as private carriages, should not be illuminated by electricity. It would certainly largely enhance not only the comfort, but the safety of locomotion in the thoroughfares of large cities. Indeed, it has been found that in a carriage supplied with a properly arranged electric light, the most formidable of outdoor foes, the dense fogs of European cities, might almost be defied, while the brilliant, searching electric light would enable passengers to amuse themselves by reading books and newspapers. It is, moreover, obvious that the adoption, on an extended scale, of electricity as an illuminating agent in private and public vehicles would serve a double purpose—first, one of a distinctly practical usefulness; next, that of increasing the brightness and cheerfulness of the streets, which would materially aid in the beautifying of a city. Again, it has been ascertained that the more the omnibus and tram car companies make their vehicles attractive, the greater will be their traffic.

In private carriages, the electric lamp is placed inside, in the centre of the roof, and the twin lights, for there are two, contained in flat vial-shaped vacuum glasses, are shielded by a circular glass plate rather larger than the "bull's-eye" of an ordinary search light, but neither convex nor concave. At the back of the lamp, there is a dome or bell-shaped enamelled reflector. The horseshoe carbon filaments, which become incandescent, are very diminutive, and the current is conveyed to them by platinum wires. In order to economize space, the flat vacuum glasses are not hung vertically in the bell protector, but lie horizontally, and in order to prevent the wires dropping downwards when hot a little glass stilt is added to support them. In this way, the roof of a brougham is filled with a light diffuser which will not interfere with a person's head entering the vehicle. Each of these lamps gives a light equal to seven candles. In the first attempts to light carriages in this manner the moving of the carriage was apt to jar the lamps, often causing a breakdown, and steel springs were not found sufficient to prevent this. The plan now adopted is to suspend the complete lamp in a sheet of rubber, which is attached to the interior of the carriage, neutralizing the vibration. It is only necessary to press a button in order to switch the current on, and by a second push it is turned off again.

A sufficient supply of electricity required for the lamp is stored in an accumulator. One accumulator, weighing two pounds, is the allowance for each lamp. Should the two outside lamps be also electric, two other batteries would be needed. The outside illuminators are not of the same shape, and differ in principle from the interior lamp, but an india rubber socket is used to reduce vibration. Accumulator, or accumulators, as the case may be, are carried in the boot, under the coachman's seat, and they are easily accessible. The coachman himself, without electrical knowledge, makes the necessary connections. An eight-cell storage battery for an ordinary family carriage or brougham is simply a box 8 inches long, 4 inches wide, and 7 inches deep. This supplies the current to keep the lamp lighted for eighteen hours, which, ordinarily, is sufficient to last the owner of the carriage from one to two months. The cost of recharging varies, according to wear and tear, from 50 cents to $1—not more than the expense entailed by the employment of oil lamps, which invariably give out an unpleasant odor and an uncertain illumination. The electric lamp does not wear out unless subjected to careless treatment, or unless it is weakened by the application of too strong a current. The accumulator, however, makes the latter contingency almost an impossibility.

An objection to electric launches has always been the narrow limits to which they are necessarily confined on account of recharging the batteries. It is suggested that the difficulty may be overcome by carrying a tank of oil, an oil engine, and a little dynamo, with which to charge the launch at night or when not in use. Another plan, now in use in several places in America, is to take the current for charging from a trolley circuit.

The output of aluminum has increased from 223 pounds in 1883 to 550,000 pounds in 1895. The cost of production has been decreased from nearly $10 per pound to less than 60 cents per pound. The output for 1894 was valued at $316,250.

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PRACTICAL TALKS TO HARDWAREMEN.

SHELVES AND SHOW CASES.

Webster's definition of the word "shelve" is: "To place on a shelf, hence to lay on a shelf, or put aside with a view to prevent re-appearance."

In arranging his stock, the retailer will do well to bear in mind this definition. If he has a class of goods he does not want to sell, let him "shelve" them, and thus prevent their re-appearance. If his desire is to sell goods let him show them:

The more goods shelved
The more goods held,
The more displayed
Means money made.

Shelves have their uses, of which uses one is to hold surplus stock. The problem to solve is how to display the greatest variety of goods in the smallest space.

The solution is found in the show case; not, however, the kinds usually seen in Hardware stores, which are very shallow with either flat or oval tops. But the modern show case, three feet deep, capable of displaying on its three tiers of glass shelves in full view, five times as much as the conventional case.

The improved case is about the same as the old respecting length and width, the departure being in the depth. Instead of resting on the regulation counter, the new case comes within a foot of the floor, with just sufficient woodwork at the base to protect the glass from the customers' feet.

An Eastern retailer, who was one of the first to adopt the new style, said the idea was not original with him, but like many progressive ideas, was taken from the dry goods merchant. Such a case nine or ten feet long, made of oak and filled with plate glass, costs in the neighborhood of a hundred dollars, yet his experience was that in less than six months the increased sales had more than paid for the cost of the case.

"MULTUM IN PARVO."

If any motto has been abused, this is surely one. How an advertiser succeeded who desired to put a very big ad. in a very little space, is shown in the following. The article to be advertised was a spray pump. Into a space one inch long by four and a half wide, he desired to put two cuts, a description, direction for using and price; in fact, enough matter to fill half a page. In order to get a striking effect the words "Spray fast as you walk" were placed in large type across the top, with a cut at each end. The first cut separated the letter "S" from the balance of the word "Spray," and just over the second cut, at the right of the ad., the words "when full" were printed in small type, evidently intended to call attention to the appearance of the pump when filled. The separation of the letters in "Spray" and the running together of the words in the sentence made a reading very different from the one intended by the advertiser. It read:

"Pray fast as you walk when full."

As many are aware who have been under the "influence," speed aids wonderfully in maintaining an erect position. The admonition of our advertiser gives to the disciples of Bacchus a warning that may be useful to them. To know that to "Pray fast when full" will enable one to maintain a progressive perpendicular, must surely be to them a welcome bit of news.

SHOP TALK.

The conversation, this Saturday night, turned upon the misunderstandings caused between customer and clerk by a similarity of sounds. It was told of the Tool Man that in response to an inquiry for yard sticks, that he brought the customer carpet tacks. A more excusable case occurred with the shipping clerk, who came to one of the regular clerks to find out what "kill oil" was, and where he would find the best kind. Upon interrogating the customer, who was an Irishman, he said, "It's best kill oil I'm wantin'," which was his way of pronouncing bicycle oil.

SHOP MAN.

Kerosene Burners in Russia.

For domestic heating purposes, petroleum is not used in Russia at all, the predominant fuel in the largest portion of the Empire being wood, supplemented with coal. For cooking purposes, kerosene is used only on a very limited scale and in exceptional cases, much less so, on the whole, than in the United States. The ordinary American kerosene stoves have been largely imitated in Germany and introduced into the Russian market. They are of various sizes and sell as low as 6 rubles (about $3) apiece. In the last few years, the "Bade Kerosene Gas Burner," of Swedish origin and manufacture, has been introduced into Russia, and there is said to be a considerable demand for it. This kerosene gas burner is also known and patented in the United States. By means of an air pump, the petroleum is forced from the reservoir into a cylinder, encircled in its upper portion with a basin, in which alcohol is burned to heat the cylinder and change the rising kerosene into gas, in which form it reaches the burner. The ordinary domestic petroleum gas burner, made of brass, is sold at 7 rubles ($3.50). About twenty thousand are said to be in use in Russia.

Hazard Powder Co.'s New Prices.

The Hazard Powder Co., Nos. 44 to 48 Cedar Street, New York, have decided in response to a popular demand, to lower the prices on some of their well-known brands of powders, so as to bring them more in reach of sportsmen. The manufacturers state that while they have decided to lower the prices, the quality will be kept up. The prices are: Electric, 1-pound canisters, 75 cents; Duck Shooting, 25-pound kegs, $8, and Duck Shooting, 6¼-pound kegs, $2.25, the former prices being 90 cents, $11 and $3, respectively. Kentucky Rifle can now be had in 25-pound kegs for $2.75, 12½-pound half-kegs for $1.65, and 6¼-pound quarter kegs for 95 cents. Five per cent. discount will be allowed on rifle and sporting powders. There is no further change in the list prices as issued under date of November 1, 1893.

The new car barn for the Hartford Street Railway Co., Hartford, Conn., will be designed and built by the Berlin Iron Bridge Co., East Berlin, Conn. The office will be located in the front end of the building on State Street, with the barn in the rear. The whole construction is to be of steel and fire-proof, the roof being covered with the Berlin Iron Bridge Co.'s patent anti-condensation corrugated iron roof covering.

The Lawton Cutlery Co., Nos. 132 and 134 Lake Street, Chicago, are a new company just entering business under very favorable auspices. The management is in the hands of Charles T. Lawton and George N. Brown. Mr. Lawton was for a number of years in charge of Hibbard, Spencer Bartlett & Co.'s cutlery department, while Mr. Brown has been engaged in the specialty business.

Ralph Cycle Lock Co., Chicago, incorporated. Capital stock, $10,000.

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An Embryo Socialist.

"Did you notice that man that just went out?" inquired the customer at the furnishing goods counter.

"Yes," answered the salesman; "it was Mr. Teesquare. He's in the Hardware line in Chambers Street."

"And I'm the man that knows it full well," responded the customer. "Let me see that box of fifty-cent ties, please. I'm in the same concern with Teesquare, and we've both been there since we were boys, and every time I look at the ordinary little cuss I'm tempted to rail against the social order, for it does seem as if there was something wrong when such a fellow as him— Say! that line of ties you've got there, marked a dollar, are dandies, ain't they? Set them over here.

"Teesquare didn't have nothing to commence with any more'n I did, and now I suppose he's worth fifty thousand dollars, and in a fair way to make it a hundred thousand. And how'd he do it? Sheer luck. Why, that man ain't smart. He ain't any talker. He ain't sociable. He can work, and so can a hod-carrier; and that's all he can do. When a man sees two things that please him equally well, how's he going to choose? I'll toss up a cent to see whether I take this dotted tie or the one with a red stripe. Heads takes the dots. Tails, by jingo! I'll take 'em both. Let me see some collars; fifteen and a half, stand up.

"Teesquare was always close as the devil, for one thing, and the boys never liked him for that. When he was a clerk along with the rest of us, you'd never catch him joining us in a game of billiards after lunch. He always said he was too busy. He'd go back to his desk and work. Lord knows what at. The rest of us had a minute to spare once in a while. And then he got cheeky. He began to make suggestions to the old man about the business. Actually— What's that? Something new in suspenders? Two dollars a pair. They're a little too rich for my blood, I guess, but I'll take a look at 'em.

"The man actually began to tell the head of the house how to run his own business. Any other man in the place would have got set on mighty hard if he tried that, but somehow or other Teesquare managed to get around the boss, and blamed if what he said didn't go. How much do I owe you altogether?

"Four seventy-five, eh? Now the question is, how much have I got? A five and a two. That settles it. I take a pair of these suspenders, and I get twenty-five cents change. Well, it's pay-day. That's one comforting thought.

"And that's why I say there's something wrong. Fellows like Teesquare, with no life or sociability about 'em, and no more juice than a mummy, tumble into the soft places, and before you know it they are cutting coupons, while smarter men just manage to live. Ever run out during business hours to take a little something? No? Well, so long."—*Harper's Weekly.*

About Knives and Forks.

So familiar are we at the present day with the use of knives and forks, and other implements of the household, to assist us in the cutting up and eating of our food, that we are apt to forget that both these useful table and kitchen necessities are of comparatively modern invention—so recent, indeed, that it is curious to think what must have been the condition of society before they came to be in common use, says a writer in an English exchange. Discoveries have proved that the earlier inhabitants of Europe and the aborigines of America used splinters of stone or hard wood for cutting purposes, and it is a matter of wonder to discover what work they were enabled to perform with such primitive implements. The Greeks used copper hardened by tin, and various kinds of brass and bronze, as blades for the weapons and knives for domestic purposes. The Romans are supposed to have been the first to make edge tools of iron for carving meat and for warlike purposes. England has always been preeminent in the manufacture of knives, even from the time of Queen Elizabeth. Case or sheath knives are the most ancient kind of cutlery; they originally had the blade stuck in the handle, and when not in use were covered by a case or sheath. Coarse knives, called "Whittles," were manufactured at Sheffield in 1575, and were sold at the price of one penny, a good round sum in those days. In 1650, clasp knives were first recorded; they were made to fold over and shut into handles of iron or tortoise shell, but they were very clumsy implements compared with the elegant pearl and ivory-handled six and eight-bladed affairs of the present day. Sheath knives were used mostly for kitchen use and to cut up meat, and even now one can see a butcher or a cook wield a knife, which, when not in use, is enclosed by a leather sheath. But nowadays the knives used for culinary purposes are innumerable, and to describe them all would be to far overrun these pages.

Forks are of much later invention than knives. Probably the first pronged instrument was used by the Italians late in the fifteenth century. They appear to have been unknown to the ancients, no trace of them ever having been discovered among the ruins of Herculaneum and Pompeii. The Chinese had the nearest idea to the fork in "chopsticks," which required a great deal of expertness to use with grace or effect. Chopsticks are used by the Chinese for eating purposes up to date. Before forks were invented fingers were made to perform the service of picking up the meat, both for cooking and eating. Even after forks were introduced they were looked upon as unnecessary luxuries, and were even forbidden to be used in certain monastic establishments and convents. Forks were at first made with only two prongs of iron; in fact, they were more like double skewers; then three prongs were considered necessary, and these prongs were considered more useful when bent. The French manufactured a spoon fork, with four or five prongs, but these were considered more ornamental than useful, and were always made in silver for presents. Four prongs are now considered the proper number for a well made fork, although most of the steel forks have only three. The first absolute necessity for a fork was in all probability felt by a carver, who required something to hold the meat steady while operating. The oldest carving fork known originally belonged to Henry IV. of France, about the year 1600. It is still to be seen at the Castle of Pau, in the Basses Pyrenees, where Henry was born. It is made of steel and with two prongs of great length, being long enough and strong enough to secure a "baron" of beef. The earliest mention of forks in Italy was in 1611. In England, 250 years ago, it was quite a common sight at a banquet for each guest to put his fingers into the dish and help himself.

In *Lightning*, a correspondent asks how to apply an electric current to the purification of well water, the objection to this water being that it turns whiskey black. The writer has by no means proved that the water is at fault. He should look to his whiskey as well, as poor sorts of whiskey may contain sulphuretted hydrogen or tannin, which blackens iron salts. If the electrical treatment should prove to be too expensive, the editor of our contemporary recommends the American method of consuming the whiskey and water separately, and adds that he need not fear that the black compound will form in his own well, as the presence of the gastric juice will prevent the formation of any black iron sulphide.

J. Sage has opened a store for the sale of general Hardware and mechanics' tools, at No. 78 West Main Street, Rochester, N. Y., and would be pleased to receive catalogues and price lists.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Automatic Bicycle Seat.

Simple, sensible, scientific, handsome, humane and healthful are the six claims which the Automatic Cycle Seat Co., Grand Rapids, Mich., make for their new seat. The



cut shows a front view. The saddle is composed of a carrying-bar that crosses the regular saddle-bar, to which it is attached at right angles, and two seats that work automatically to this bar, adjusting themselves naturally to the form of the rider and the movement of his legs. The company claim it is as simple and comfortable as an old-fashioned rocker, and the rider sits upon a chair rather than upon a rail. The seats are adjustable for a rider who weighs 300 or for a rider who weighs 100 pounds. It is constructed of wood, finished with rubber enamel. Weight, 15 ounces; retail price, $5.

The Williams Globe Vapor Bicycle Lamp.

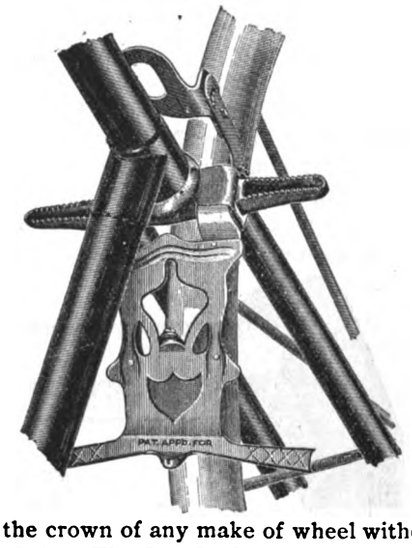
Hibbard, Spencer, Bartlett & Co., Chicago, are marketing a new bicycle lamp for which they make exceptional claims. Its principal feature is that it does not burn oil or any other liquid to shake about in the reservoir. Three tablespoonfuls, it is stated, of benzine poured on absorbent cotton will furnish the vapor that will burn from ten to twelve hours, giving a clear bright light—better than that of the ordinary lamp. It is further claimed that the light of this lamp cannot be jarred out and that the lamp can be turned upside down or thrown around without danger of its going out. Also there is no grease or oil to soil the hands and clothing and no smoke or soot to dim the reflector. It is made entirely of brass, with no solder used in the body,



and is nickel-plated and polished. Its height is 7 inches, and it weighs when filled but 11 ounces. It is furnished with 2¼-inch powerful hand ground lens, and Austrian jewel side lights (ruby and green.) The construction is not complicated, and it is said to be absolutely safe when simple directions are followed.

Combination Foot-Brake, Coaster and Lamp Bracket.

A Foot-brake, Coaster and Lamp Bracket, all three in one piece, is one of the latest novelties in the sundry line. The device is made of stiff composition metal, highly nickeled the features being the swivel attachment of the bracket, whereby the lamp may be placed any distance ahead without changing the bracket, and the leather brake shoe, which is held in place by screws and is easily taken out. It is ad-



justable to the crown of any make of wheel without removing a nut or bolt. The Standard, as it has been named, is made by the Richards Mfg. Co., No. 220 Fulton Street, Brooklyn.

A New Wheel Rest.

The Bicycle Stand Co., of Pittsburg, Pa., have recently placed upon the market a Wheel Rest which is shown in the accompanying illustrations. It consists of a brace rod



FIG. 1.

weighing less than four ounces, which is fastened in place on the lower brace of the bicycle by two small bolts. In

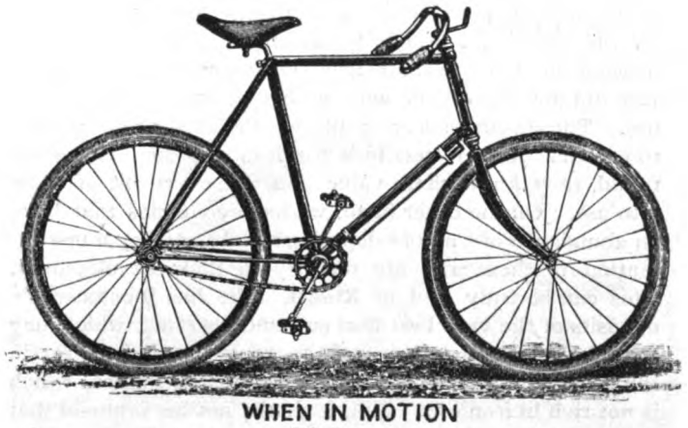


FIG. 2.

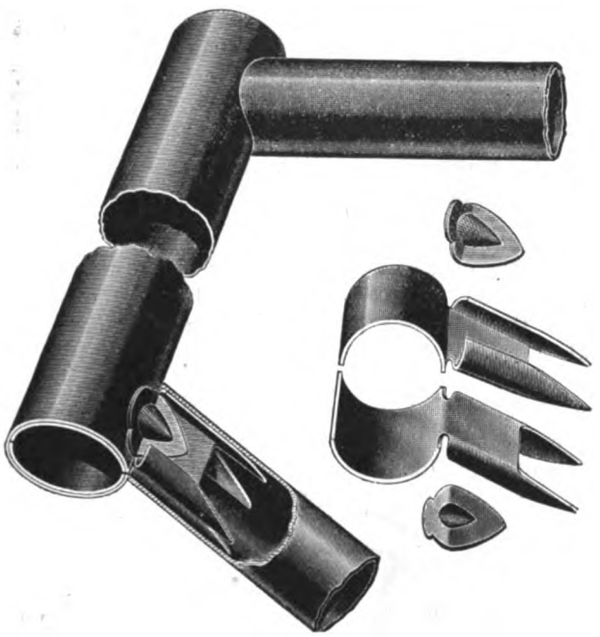
connection with the brace is a wheel lock. The Rest is designed to allow a bicycle to stand without other support; and it is turned up and fastened under the lower brace, as

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shown in Fig. 2, when not riding. The makers claim the Rest is substantial and that it is impossible for it to get out of order.

Barnes' Steel Bicycle Connections.

The Barnes Cycle Co., Syracuse, N. Y., are using the Internal Steel Connections shown in the illustration, in the construction of Barnes' bicycles. The connections are punched and formed, and inserted in a slot in the larger tubing as seen in the lower part of the illustration, this being cut away to show the internal construction. The small braces are fastened to the larger pieces and the whole securely brazed in place, resulting in the joint shown in the upper part of the illustration. The makers claim that this makes a remarkably rigid connection, and that there are no drop forgings on the machine. Another feature of the machine is the absence of the nuts and bolts ordinarily used for securing the seat post and handle-bar stem. The end of the handle-bar stem is slotted, and into it is introduced



a metal plug the same diameter as the interior of the tube, but slightly conical, being the larger at the lower end. A threaded hole runs through the plug, connected with which is a square-headed threaded bolt, which passes down through the centre of the handle-bar. When the handle-bar has been adjusted to the right height, the nut of the bolt which rests on the handle-bar is tightened, thus expanding the end of the stem so as to hold it firmly in place. The seat post is arranged and held in the same manner.

Russian Iron Ore and Iron Industries.

The iron industry is one of the most important elements of the industrial progress of a country. We have countries on the one hand which have advanced in culture and learned the value of industrial development, although nature did not bless them with with extensive riches of iron ore. These countries are exploring the earth from one end to another of their territory for iron deposits, and, when found, they know their value and put every bit of them into use. On the other hand, we have countries that have an abundance of iron ore deposits, but do not pay much attention to them and are dilatory in their development. This can be truly said of Russia. She has inexhaustible deposits of the very best iron ore, and also fuel, which may be called the motive power of the iron industry, and yet in the production of iron Russia is behind even France, which is not rich in iron ore. Still, it should not be assumed that Russia makes no progress in this important branch of industry. It is, however, very slow. During the last ten years, her production of pig iron has been tripled, but it is a trifling quantity in relation to the extensiveness of her iron deposits. How far she is behind, and how much she must hasten in order to catch up with the other iron producing countries, may be seen below. In 1894, the following quantities of pig iron were produced by the respective countries named, to wit: England, 8,251,592 tons; United States, 7,457,128 tons; Germany, 6,301,544 tons; France, 2,293,112 tons; and Russia, 1,498,648 tons. From these figures, it may be seen that England produced five and one-half times as much as Russia, though England is far from being as rich in iron ore as Russia. The United States produced nearly five times as much, and Germany four times. The United States commenced their iron industry but a comparatively short time ago, and its development should serve as an instructive example to Russia. The United States, a young industrial country, has nearly caught up with old England in that respect, and there is no doubt that before long it will overtake England. Russia sees this and says, "Why should that which is possible for America be impossible for us? We must work, and work energetically, and not in a slow and careless manner."

In the Urals, where more iron ore is produced than in any other Russian region, many beds of iron deposits are not worked, and yet the Ural deposits of red hematite deserve special mention. The ore occurs in strata of the carboniferous formation, and yields as much as 64 per cent. of iron in smelting; in the same country, forests are in abundance, but are wasted by being burned down instead of being used or saved for fuel for iron industries. The manufacture of pig iron is carried on there mainly by charcoal fuel, which is either prepared in stoves or in stacks, and chiefly from pine and birch wood, with which the country is well supplied.

South Russia is also rich in mineral fuel, but, so far, has been very little explored as to iron ore except on the borders of the government of Kherson and Katerinoslav, where, not far from the village of Krivoi-Rog, vast deposits of exceedingly pure and rich ores, with 60 to 68 per cent. of iron, chiefly specular iron, magnetic iron ore, and red hematite, have been discovered.

The statistics showing the total yearly yield of iron ore in Russia are available so far only up to January 1, 1892. In 1890, there were in the whole Russian Empire 536 iron ore mines and 195 lakes, which yielded 1,979,335 tons of iron ore; in 1891, there were 683 mines and 202 lakes, which yielded 2,158,771 tons of iron ore. The following shows the total production of pig iron in the Empire during the last five years: In 1890, 1,021,244 tons; 1891, 1,107,550 tons; 1892, 1,134,170 tons; 1893, 1,248,970 tons; 1894, 1,498,-648 tons.

The duty on iron in Russia is of two kinds—the "raised" tariff (charged on iron from the countries with which Russia has no agreement), and the conventional tariff (charged on iron from countries with which Russia has an agreement)—and is as follows: The "raised" tariff on iron in bars, puddling iron, iron in powder, and iron rails, is 72 copecks (gold) per pood (36.112 pounds), or 42.62 rubles ($32.91) per ton. The conventional tariff is 50 copecks (gold) per pood, or 27.71 rubles ($21.39) per ton. The "raised" tariff on sheet iron, including No. 25 of the Birmingham calibre, is 1.02 rubles (gold) per pood, or 56.48 rubles ($43.60) per ton. The conventional tariff is 65 copecks per pood, or 36 rubles ($27.79) per ton. The "raised" tariff on sheet iron above No. 25 of the Birmingham calibre is 1.20 rubles in gold per pood, or 62.05 rubles ($47.90) per ton. The conventional tariff is 80 copecks per pood, or 44.30 rubles ($34.20) per ton.

Russia, thus far, has neglected the riches which nature has given her, and acts as a people for whom iron is not an article of first necessity but of luxury. Here, it would seem, are rich fields for enterprise and industry and a profitable opening for capital.

St. Petersburg, June 12, 1895. JOHN KAREL, Consul-General.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

White's Patent Spacing Strip.

The accompanying illustrations show White's Patent Spacing Strip, which the Pennsylvania Machine Co., No. 31 North Seventh Street, Philadelphia, Pa., are placing on the

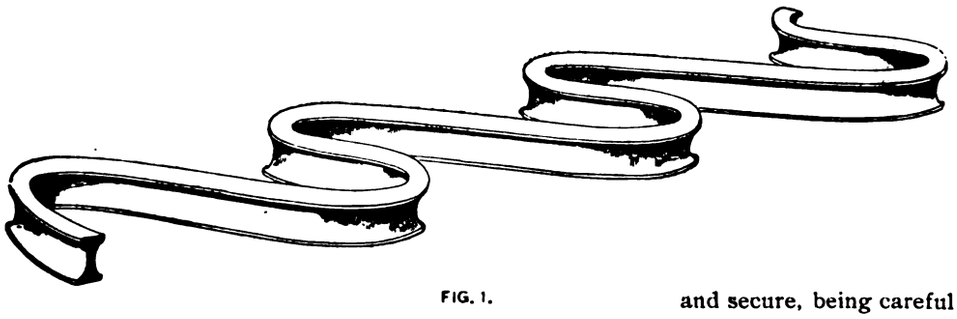


FIG. 1.

market. The Strip is practically a wrought iron beam ⅛-inch in height and corrugated in form, and is made of first-class wrought iron, heavily coated with pure red lead and linseed oil to prevent corrosion. When a spacing strip is interposed between the flooring and joists, as shown in Fig. 2, the boards and joists do not come in contact, and there

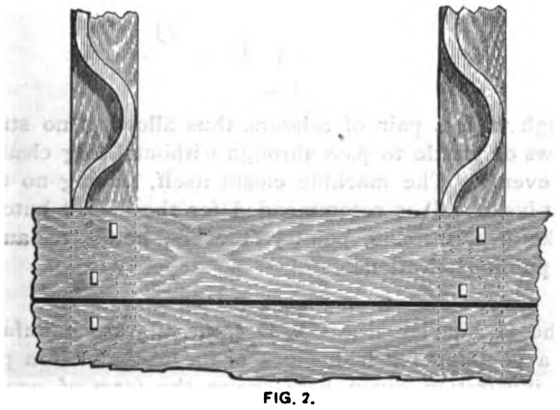


FIG. 2.

is a continuous air space, Fig. 3, on each side of the strip to insure the passage of a current of air to thoroughly ventilate every joint. The strip runs a zigzag course along the upper face of the joist, the grain of both joist and flooring being well crossed. The flooring is nailed in the usual manner, and the strip is used without especial provision of any sort. The strip is designed to supply a thorough ven-

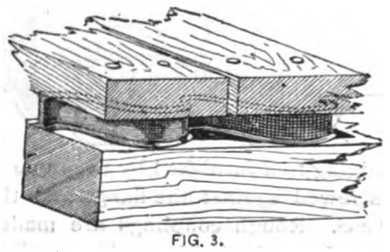
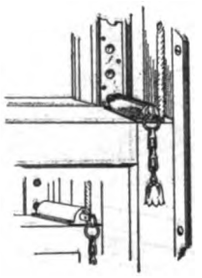


FIG. 3.

tilation between a flooring and the joists or stringers supporting the same, thus arresting decay. The makers claim that its use will increase the durability of wooden platforms, board walks, bridges, porch floorings and all similar structures exposed to the weather at least 100 per cent. The strip is supplied in lengths of about ten feet.

Carlisle's Burglar-Proof Sash Lock.

E. A. Carlisle, Pope & Co., No. 2 Sudbury Street, Boston, are placing upon the market Carlisle's Improved Burglar-Proof Window Sash Lock, the method of applying which is here shown. It is described by the makers as "a safe lock for the window when closed. The lower sash may be raised or the upper one lowered six inches, and be secure from tramps and others who are watching for open windows. The Lock is very easily applied by anyone. You fasten the Lock on meeting rail of lower sash, directly over the stile; place the plate with holes on stile of upper sash



and secure, being careful that the lower hole in plate is so adjusted that the bolt may enter easily when window is closed. With a ⅛ bit bore through holes in plate about one-half inch deep, and the Lock is ready for use. If you wish for ventilation from top and bottom of window at same time, place the bolt in upper hole of plate and then pull down window; you may then have space of three inches at top and bottom. Leave the bolt free, unless it is desired to raise or lower the sashes full length, which can be done by drawing the bolt, and with a gentle downward pressure it is caught in a slot so that the sashes may be raised or lowered without injury to paint or wood. When the window is shut there is no fear of its being unfastened, as it is self-acting and self-locking when the bolt is free." Price 35 cents each.

Perfection Hot Vegetable Peeler.

The American Specialty Co., Hartford, Conn., are offering the trade a novelty in the shape of a Hot Vegetable

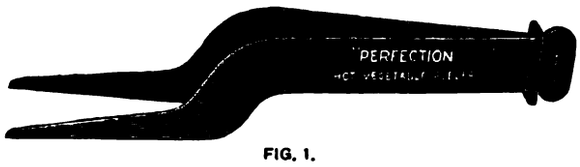


FIG. 1.

Peeler herewith illustrated. The peeler is shown in Fig. 1, half-size and consists of two nickel-plated steel blades, riveted at one end and pointed at the other. The sliding ring

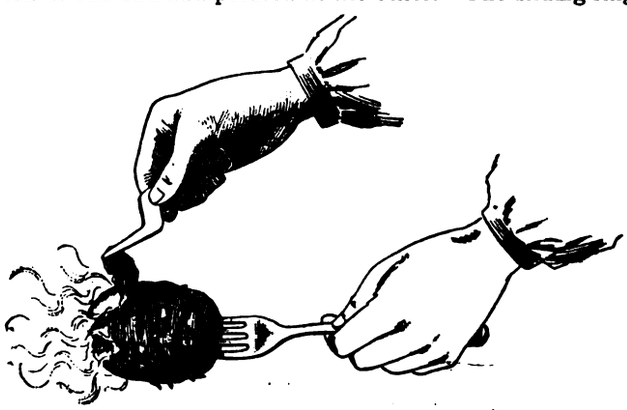


FIG. 2.

holds the points together when not in use. One of the blades is sharpened and the other one is dull. In use, Fig.

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2. the point of sharp blade breaks the peel, and by pressing blades together, the dull blade acting as a thumb, the peel is nipped at points of the blades and is drawn off in usual way. The manufacturers state that it will peel boiled Irish potatoes, boiled sweet potatoes, boiled beets and scalded tomatoes.

The Connecticut Meat Chopper.

The illustrations here given represent the Connecticut Meat Chopper put on the market by O. D. Woodruff, Potts-

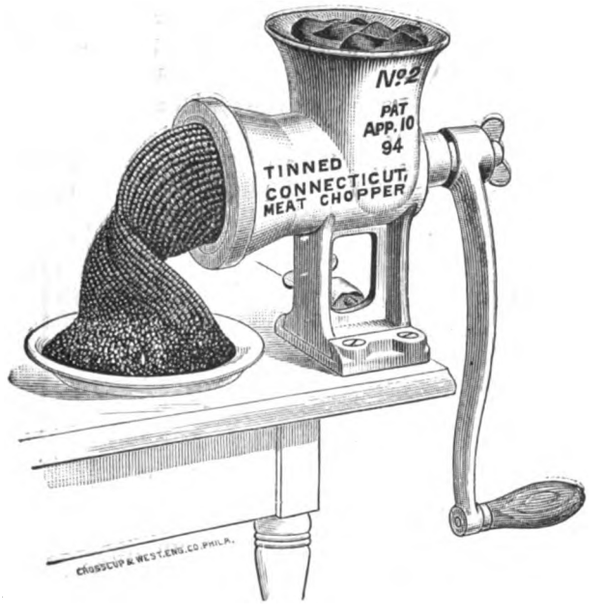


FIG. 1.

town, Pa., and for whom W. H. Jacobus, No. 90 Chambers Street, New York, is the Eastern selling agent. This Chopper consists of four principal parts, the cylinder, feed cutter,

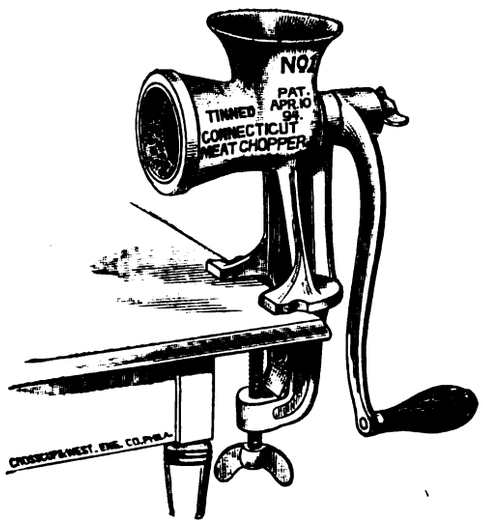


FIG. 2.

crank and thumb-screw, shown in Fig. 3. The parts are interchangeable. In operation the meat is fed into the hopper and by the feed cutter carried forward and after the

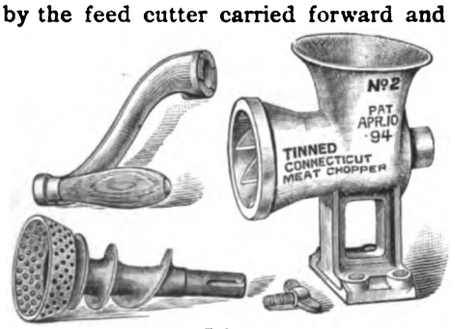


FIG. 3.

preliminary cutting is done is forced into the perforations at the end of the feed cutter, where the final cutting is done by the eight cutting points. With every revolution of the crank each hole makes eight cuts. The pieces thus cut are ejected by the meat following. The No. 1 Chopper has 42 holes in the feed cutter, which in conjunction with the eight cutting points in the cylinder, is said by the manufacturer to cut 336 pieces of material at each revolution of the crank,



FIG. 4.

giving a product of at least 2 pounds per minute. The No. 2 size, which has 87 holes in the feed cutter, cuts 696 pieces at each revolution, with a capacity of about 4 pounds a minute. Fig. 4 shows the stuffing attachment to be used in connection with the chopper for stuffing sausages. Fig. 5 shows the Chopper with stuffing attachment in operation. The maker claims that cutting is done as perfectly as

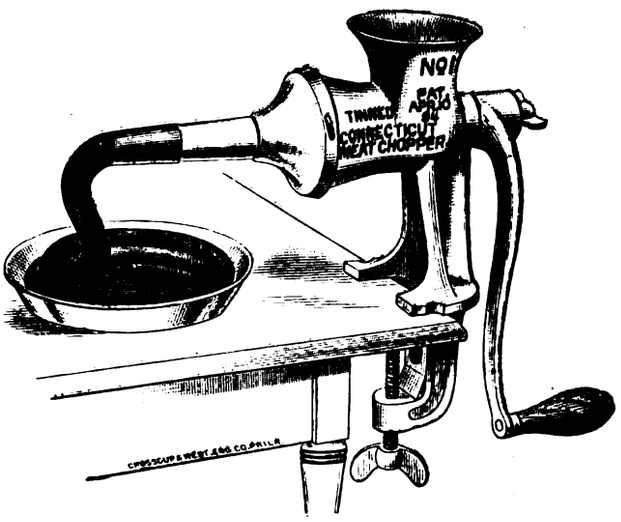


FIG. 5.

though with a pair of scissors, thus allowing no strings, sinews or gristle to pass through without being clean cut and evenly. The machine clears itself, leaving no uncut meat inside. It is recommended for the use of butchers, marketmen, farmers, poultry breeders, hotels, restaurants and public institutions.

Lead Flange Coupling.

The H. Mueller Mfg. Co., Decatur, Ill., are manufacturing a coupling for lead pipes or for lead and iron pipes. The illustration given here shows the form of coupling used to connect lead pipe with lead pipe. This is largely used for boiler and water back connections. Either form saves the trouble of wiping joints. The lead pipe after insertion in the coupling, is merely swedged to a flange with



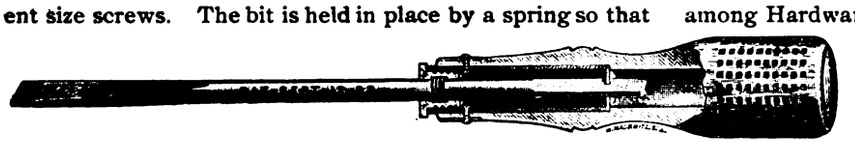
a cheap swedging tool furnished by the same company, the coupling is screwed against the flange and the connection is ready for use. Rough couplings are made for outdoor use, and finished ones for inside work at a slightly increased cost. Five sizes are made, ranging from ⅜ to 1 inch.

Reversible Bit Screwdriver.

The H. Mueller Mfg. Co., Decatur, Ill., are introducing a new Screwdriver which is here shown. The illustration shows a portion of the handle broken away for the purpose of showing its construction. The essential feature is a

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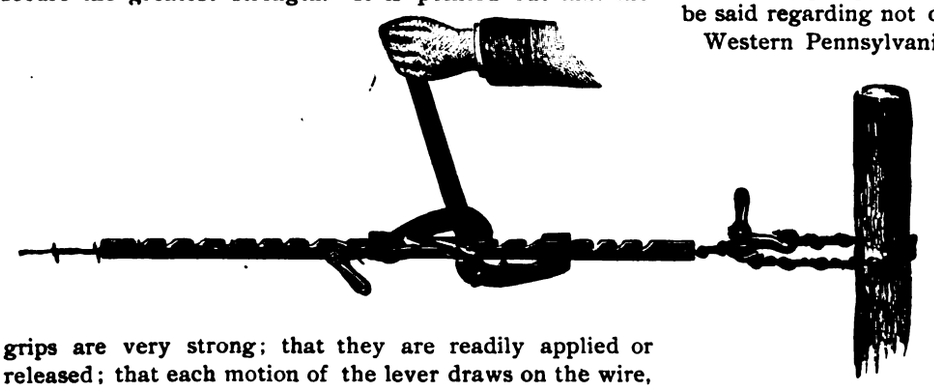
hand screwdriver with a reversible bit for using on different size screws. The bit is held in place by a spring so that



it cannot be lost out even when improperly adjusted, nor can it turn in the handle as it enters a slot inside of a steel tube in the handle. The handle is securely riveted to both the inner and outer ferrules; the bit is made of spring tempered tool steel, and the hard wood handle is knurled. Four sizes are made, so that a set comprises eight screwdriving bits.

The Freeport Wire Stretcher.

The illustration herewith represents a Wire Stretcher introduced by the Warner Hardware Co., Freeport, Ill. It is made of steel and malleable iron and proportioned so as to secure the greatest strength. It is pointed out that the



grips are very strong; that they are readily applied or released; that each motion of the lever draws on the wire, and that the dogs engage with the notched bar automatically without the use of springs, whatever the position of the hand lever.

Some Notes Taken by the Way.

E. F. Hope, a leading Hardwareman, of Beaver Falls, Pa., left for England some time since, intending to spend the summer across the water. His stores are being looked after by his son, Harry, during his absence.

The Toronto Hardware Co., Toronto, Ohio, carry a full line of Hardware; in fact they have everything to make a complete Hardware stock, and report business a decided improvement over last year.

The White & Smith Hardware Co., Wellsville, Ohio, are doing a splendid business, and say Fall prospects are very bright. They are fine people and have a first-class general Hardware stock.

W. H. Adams, East Liverpool, Ohio, is one of the "good fellows" you meet, with a pleasant word for you always. Business is very good with him. The firm recently changed, having been Adams Bros. He carries a full line of Hardware, builders' supplies, farm implements, etc.

George W. Martsolf has purchased the store of Thomas Arnott, New Brighton, Pa., and assumes charge at once. We bespeak for him the same good trade his predecessor has enjoyed.

T. J. Johnson, New Brighton, Pa., carries a large stock of general Hardware, building supplies, house furnishing, etc., and says he is having a fine trade. This section is feeling in better spirits now, and will soon be in the lead.

The Eagle Hardware Co., of East Liverpool, Ohio, one of the most progressive and up-to-date Hardware firms in the country, report trade good, and have recently opened a branch store at Wellsville, Ohio, with as full and complete a line of Hardware as can be found anywhere.

Western Pennsylvania has suffered a great deal from drought this year, but happily the recent rains have so much improved the Hardware trade that one can scarcely find a complaint from a dealer. The increasing trade, the rising prices, the increasing demand, coupled with an outlook for a fall trade of unusual magnitude, has restored confidence among Hardwaremen generally, and a caller is now greeted with, "Oh, first rate, thank you; can't complain even a little bit."

"Better than '94?"

"Better? Sure!"

"Prospects?"

"Well, you can say we expect to equal '92. Remember, however, that we are calculating on shelf and other goods, not builders' Hardware. We do not expect builders' Hardware and supplies to 'cut much ice' until later, but are figuring very closely on work in sight, and can confidently assert that this year will be far in advance of '94."

Among Hardwaremen you meet the brainy and observing men of the country, and their renewed confidence is the best indication of the returning prosperity. In fact, all are jubilant over the higher prices, the increased trade, and the comforting prospects of an increased Fall trade. This may be said regarding not only Hardwaremen, but all trades.

Western Pennsylvania, eastern Ohio and northern West Virginia are among the pleasant spots on this continent. There you meet the best of fellows, clever, all of them; willing, aye, even anxious to help smooth the way of the traveling man. Many a pleasant face, many a cheering word, and many a hearty "Come again," have greeted me.

I paid a visit to the extensive establishment of Heeren Bros. & Co., Pittsburg, Pa., a short time since, and was taken in hand by that kind and courteous gentleman, J. M. Larmour, their manager, and shown from attic to basement. Space and time forbid my attempting to bill in detail what I saw. I can simply say I have never seen a stock of jewelers' and machinists' tools and supplies to equal theirs. For convenience, an unlimited stock, beauty, discipline and courtesy, I have not as yet met the equal. I wish to return thanks to Mr. Larmour for his attention, and say that it will ever remain a red letter day with me.

CARO.

A. P. Moore, general manager of the National Vapor Stove & Mfg. Co., Lorain, Ohio, has been in Philadelphia recently, and has arranged to locate an Eastern warehouse for distribution of stock. He has rented No. 52 North Second Street, Philadelphia, for that purpose. George T. Moe & Co., who have removed to this number, will act as managers of this branch house and agents for the sale of the goods. Various improvements have been made in the store. The services of John G. Krider, quite well known among the stove men, have been engaged. All who are interested in oil, gasoline and like stoves, are invited to call at the new quarters.

A dispatch from Boston says: "A new company was recently organized under New Jersey laws with a capital of $1,000,000 for the extensive manufacture of articles made exclusively from aluminums by a new process. Inducements were offered for them to settle at Canton, Ohio, Chicago and other places, but at the last moment it was decided to locate at South Boston, as they wished to be near tidewater. The concern is composed of New York, New Jersey and English parties. The first buildings will cost about a quarter of a million, and work will be given to 1000 men."

The New England Hardware & Iron Association held their regular monthly dinner at the Brunswick, Boston, the other evening. President A. M. Wiley presided, and about twenty-five members were present.

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The "Boss" Washing Machine.

As an article of household utility, convenience and advantage, the Washing Machine has steadily made its way into thousands of American homes, overcoming all prejudices and gradually taking the place of the old way among the intelligent people. To-day the well-constructed, reliable Washing Machine is a standard article of stock in every house-furnishing goods house of any prominence in the country, and the demand for it is constantly increasing.

Of the various machines on the market, especial points of value, for simplicity of operation, first-class construction and good work, belong to the "Boss," manufactured by the Boss Washing Machine Co., of Cincinnati. The growth of the business of manufacturing this machine and the "Eli" and "Champion," the other machines made by this company, has been something wonderful.

Mr. Conrad Dietz first perfected the machine about four years ago, and began manufacturing in a little room fourteen feet square. If he turned out two complete machines a day and sold them, he considered it a good day's work. In this way the business was started. Every machine was an advertisement in itself and sold others. "It did exactly what the manufacturers claimed it would. Washed cleaner without injury to the clothes, quicker and with greater ease, than any machine ever invented. With such merits and such features of superiority, it was not long finding a market, and, as a result, the business became a prosperous industry from the start. There was a steady enlargement of manufacturing facilities and the number of employees, until within the last year or two the manufacture of these machines has grown to be one of the big industries of the city, requiring a large four-story building, a complete mechanical equipment and the most complete facilities to carry it on and to fill orders, which now come from Hardware and house-furnishing goods dealers all over the United States."

The output is now seventy-five complete Washing Machines every day, and the same care is exercised in their manufacture that marked the industry at the start.

This is a double-acting machine, having two cylinders working in opposite directions, so arranged that "it is absolutely impossible to tear the clothes, and working equally



satisfactory from the ordinary wash to the finest fabrics. They are made in sizes adapted to family, hotel and laundry use, so arranged as to be run either with hand or power, and are made of the finest materials throughout. Only selected Louisiana cypress lumber is used, and every part of the machine is made strong and durable." So confident have the manufacturers always been of the superior merits of these machines, that all they have ever asked from the public was a fair trial. If not exactly as represented, and if it was not found that the machine did better work with greater ease than could be accomplished the old way, it could be returned.

The wonderful growth of the business of the Boss Washing Machine Co. during the last four years is the strongest possible testimonial. The factory and office is located at Nos. 216 and 218 West Pearl Street, the officers of the company being Conrad Dietz, president, and J. F. Dietz, vice-president. Conrad Dietz, upon whom the active management of the business has always devolved, has proved



himself a business man of the most progressive ideas, and certainly his success is most creditable to the growing industrial importance of the city. The subjoined letters speak for themselves:

ELYRIA, OHIO, July 9, 1895.

Boss Washing Machine Co.

Dear Sirs: We have sold nine of your Boss Washers and all are giving good satisfaction—in fact, nothing else would do. The principle cannot be beat; they work easy and do good work. Yours respectfully,

THE HELDMEYER HARDWARE CO.

AVERY, OHIO, April 22, 1895.

Boss Washing Machine Co.

Dear Sirs: The Boss Washer was received last Friday, having tested it this morning and find it properly named. Fifty dollars would not buy it if there were no more like it to be had. I cheerfully enclose check in payment. No other Washers or washboards in our house.

Yours truly, A. H. PROUT.

News from Busy Newburgh.

Among the visitors at the Handware club of recent date was Thomas Coldwell, president of the Coldwell Lawn Mower Co., Newburgh, New York, who is known as the man who invents Lawn Mowers in his sleep, and sells them wherever nature makes grass grow. He was immensely pleased with the club rooms, and imparted to a friend the glad tidings that despite all drawbacks, their business has this year been larger and more satisfactory than ever before. This applies more especially to Lawn Mowers, although they have not been able to keep up with the orders in their new knock-down-and-put-together-again iron Lawn Settees. Mr. Coldwell was accompanied by John T. Bullen, who has just accepted a position as Western representative of the Coldwell Lawn Mower Co., with headquarters at No. 73 Wabash Avenue, Chicago. Mr. Bullen was for years with the Woodrough-Hanchett Co., and knows the western trade from A to Z.

H. G. Higgins & Co., composed of H. G. Higgins and D. K. Phemister, have opened an office as manufacturers' selling agents, at No. 19 Pearl Street, Boston. They have convenient and commodious quarters, and will cover the Hardware trade of New England and outside large cities. They would be pleased to correspond with reliable manufacturers having goods to sell to the trade. They are the New England agents for the Utica Tool Co., Utica, New York, the Knapp & Pratt Mfg. Co., Geneva, Ohio, and also handle solid braided sash cord, hickory handles for picks, axes, etc.

Frank S. Allen, a prominent Hardware merchant, of San Angelo, Tex., was shot and instantly killed by John Fitzpatrick, a bar-keeper.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK-VIII

Those who have followed this record of a commonplace life, have anticipated the confession that must be made just here.

My marriage put an end forever to my dream of a profession. Many young men could have arisen superior to the circumstances into which I had been so willingly led, but I was not of that number.

I made an attempt to hold my ground. 'Squire Savage kindly loaned me a copy of Kent's Commentaries, into which I plunged boldly as occasion offered. But when one has arisen at 5 A.M., opened the store at 6, and handled goods and talked with customers until 10 P.M., he does not find much time, and less energy, for study. The Sabbaths claimed a certain period of rest; and the clerk in a small country town who does not go to church at least once on Sunday, soon loses a certain amount of caste with employer and customers. The result was, that Mr. Chancellor Kent soon became a neglected commentator; and when my wife one night carried the book quietly home to the 'Squire without consulting me, I asked no questions; but I knew, as she had foreseen, that one chapter of my ambition was closed.

The store presided over by Simon House was the principal one in Branch. It carried all kinds of general goods from a hay rake to a cambric edging; was headquarters for town gossip and lounging, and the official centre from the fact that its owner was postmaster and I his honored deputy. Once each day the hack from Grange came to our door, keeping us in touch with the world outside.

To the general view, the three or four years that followed my settlement in Branch were filled only with commonplace events, small excitements and trivial village experiences. The village was simply a little group of people, set down in a pleasant farming land, where the average mind was more interested in "Hen" Kibbee's crops or Lyman Wolcott's horses, than in the fall of empires or the course of financial delusions. We were New England in every feature, nine out of ten of the inhabitants being the children or grandchildren of Connecticut or Massachusetts Yankees, who had come westward in the early days of the century.

We lay, as a village, around the four sides of the town commons, or "green," as we called it then. We had a Methodist, a Presbyterian and a Congregational church. We were devoted to the cause of the public schools, and made it a point of honor to support the county newspaper. We took an intense delight in watching local politics; and if Colonel Hatch made a move upon part of the local Democrats, "Jim" Crane felt that great interests were at stake, and made a counter move for the Republicans. As a general thing, sidewalks, street draining, and the running at large of Sam Jones' hogs, were the lines along which our parties divided.

I worked hard in the store. We had a fairly good trade, and now that I had to earn bread for two, I felt the necessity of holding a position that would give us a home and a living. Mr. House appreciated my labors, and I had been with him only a year when he surprised me with a proposition.

He was a large, slow man, who whittled a great deal, and slept in a corner on dull days when customers were not about. He was quite wide-awake when they were. We had closed for the night, and the proprietor had been engaged upon his books for an hour. Closing them, and laying them upon the counter to carry home, as he did each night, he came around to where I was, climbed upon a barrel, took out his knife, sat in meditation some moments, and then said: "Well, Hank, I had a pretty good business last year."

I knew him well enough to know that he had not taken the trouble to climb upon that barrel and take out his knife, to talk politics or the weather. I put down my broom, backed up against the counter, and answered: "Glad to hear it, Sim."

(They all called him that, from 'Squire Savage to the blacksmith's striker, and why should not I?)

"'Hain't got a thousand dollars about you, Hank?" he asked without a smile.

"When you pay me ten dollars to-morrow," I answered, also without a smile, "I'll have two of it left after Minnie pays the bills. That's yours, if you need it, Sim."

He sat silent for a moment, and then said: "Got any rich relations?"

"If I have, they haven't come forward to claim me."

"Old man well fixed?"

"He's got the farm. It's paid for. That's all."

"What's it worth?"

"Three or four thousand."

"Mortgaged?'

"No."

The silence that followed held so long, that I was compelled to break it.

"Old man, what are you driving at?"

"Nothing. But if you had a thousand dollars to whack down, I'd be driving at a partner. That's what I need. With you hustling here all day, and a thousand more of capital, I'd double the business in three years, and increase the profits from the start. That's all."

"But I haven't——"

"So I see. I'd rather have you in here with me than anyone I know. Of course, you'll have first chance. If you can't, why——"

"Some one else can?"

"Yes, I've had an offer."

"That throws me out of a job?"

"Sorry, Hank; but the business won't keep three."

"If I had it?"

"Well, the business will invoice easily at five thousand dollars of stock and good accounts. Say nothing about the good-will. You pay me one thousand, and you get a one-fourth interest clean. You get your wages just the same, and take one-fourth of the profits. They were twelve hundred last year. Next year they'll be fifteen. That gives you nearly four hundred dollars interest on your thousand. I need a partner, because the boys want me to run for sheriff. Order some A coffee sugar to-morrow, Hank. I'm going home. Good night."

He had got through the door before I could take it all in. I called after him: "How long to think it over, Sim?"

"Two weeks," and he was gone.

I picked up my broom, finished the task of setting things to rights, turned out the lights, locked up, went out to the seat by the hay scales, and sat down to give my brain a chance to cool off. This was indeed a sudden dilemma to be thrust into. A thousand dollars meant a secure position, increased income, partnership, and perhaps eventual wealth. The lack of it, a loss of my job, the giving up of my home, and perhaps a return to Weston, and labor on a farm.

All sorts of schemes came into my mind, but there was only one that took shape. It was, however, the one of all others, that I did not like to undertake.

My wife had seen the lights go out, and wondered what kept me. When I had brooded over my trouble as long as I dared, I went home and found her waiting by the gate,

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We had not reached the door before she looked at me quickly, and asked, "What's the matter?"

"Nothing," I answered, as carelessly as I could.

"Yes, there is. I haven't studied you two years for nothing."

"Well, then, the boss wants to run for sheriff. That means more work for me."

"And more pay?"

"There is a chance of it. Any pie in the house?"

She looked at me closely, took me by the shoulders, held me so that I must answer the tender question of her eyes, and said: "You have not told me all. Have you reached the point already when you hide things from me?"

That ended it. I sat down—with the pie—and told her all. Unlike myself, she saw only the bright side, and all her love and ambition were up in arms to do me service, and make secure the good fortune within our grasp. From questioning she went on to planning, and I grimly smiled between mouthfuls, at the royal way in which she was already spending our income; for others, God bless her, and not for herself. Finally she asked: "When does the new sign go up—House & King?"

"When Vanderbilt sends me the check for a thousand dollars, or you find a gold nugget on the top of Asper's hill."

Her face fell. "Do you have to have *all* the money down?"

"I do. What else did you think?"

"I thought perhaps Mr. House would let you have time, and pay it out of the profits."

This pure bit of feminine financiering was too much for me. With a hearty laugh I locked the house and went to bed; the sleep that followed was full of gold mines, partnership, and new sign-boards over the old store.

The "Waverley" on Deck for 1896.

The Indiana Bicycle Co., Indianapolis, Ind., who are always progressive, and we might say extremely aggressive, as well, are preparing for a great onslaught for 1896 business. They have more than doubled the capacity of their already large plant, and are now ready to build 60,000 machines, if they find it necessary, to supply their trade the coming season. They have bought stock and supplies for 50,000 and are going right ahead with this number, with the idea of having an immense stock ahead by the time the spring trade begins. They had any number of machines ready when the past season opened, having completed 14,000 Waverleys ahead. This forethought enabled the firm to fill orders promptly, while others were losing sales because of their inability to deliver. The success of this season has prompted a much greater activity for next year, and they are not going it blind, either.

During the past week they have had a meeting at the factory of all their branch managers to see the new models, and discuss the merits of the machine from every standpoint that the wide experience of these managers, who come in direct contact with the rider, could suggest. The managers' experience, coupled with that of the heads of all the departments of the factory and the officers of the company, themselves practical men, made an aggregation of talent, the equal of which was certainly never gathered together in the history of the bicycle trade. The object of this congregation, or bicycle school, which lasted for nearly a week, was the production of a machine for the 1896 trade that would be "simply perfection itself." In the discussion, the men were given to understand that the expense of production was not to be taken into consideration. What was wanted, was "the best bicycle that could be produced, regardless of price," and with this idea firmly fixed in their minds, these men of experience began a session of deliberation and discussion that resulted in the final adoption of a model for the 1896 Waverley that they are sure "will certainly be as nearly perfect as any machine can possibly be made." The company say that "the prices and terms for the coming season will remain the same, notwithstanding the fact that the material has advanced nearly 50 per cent. and a great increase of cost in production will be added to the new model."

After the meeting was over, the visiting managers were shown over the beautiful city of Indianapolis, and photographed in a group with the officers of the company. They were also entertained at the residence of President Smith, where tenpins, billiards, music and lunch were served galore. The managers present dictated the following letter to Manager Conwell, of the San Francisco Branch, which in a faint way shows the spirit of good-will that exists in this happy family:

INDIANAPOLIS, September 11, 1895.

Mr. J. S. Conwell, Manager Indiana Bicycle Co., San Francisco, Cal.

Dear Sir: We, the undersigned managers of Waverley branch stores, wish to express our regret at not having had the pleasure of meeting you at this, our first annual visit to the factory. We are also sorry that a manager of so important an office as the San Francisco branch, should have missed the very pleasant and instructive three days' conference that we have enjoyed here.

We were invited to the factory to see the new models, and given the privilege singly and as a body, of discussing the merits of the new wheel from every standpoint that our past experience might suggest. We have taken the greatest advantage of this privilege, and every man has expressed his ideas freely, which were listened to with courteous attention and patience by those present, including the officers of the company and the heads of the mechanical departments.

We have also had the pleasure of listening to talks of the members of the company on the merits of the "Waverley," which were full of instructive ideas, as also were the talks of the various talented gentlemen present, on the mode of conducting the largest and most successful bicycle business in the world.

That you should have missed all of these pleasant and instructive exchanges of ideas, and that we in turn should have failed to receive your valuable opinion on the matters of importance to all concerned, is certainly to be regretted.

It is also a fact to be deplored that your manly features are absent from the official photograph. Let us hope that you will not be absent from next year's meeting.

Wishing you every success for the coming year, we hereby extend our most sincere regards.

Fraternally yours,

A. O. McGARRETT, Boston.
LEON JOHNSON, New York City.
H. D. SIMMONS, Philadelphia, Pa.
AUGUSTUS H. KNOLL, Buffalo.
ARTHUR D. BLACK, Chicago.
O. E. BOLES, Denver.
G. V. ALLEN, Dayton.
EDW. ROLLE, Atlanta, Ga.
J. C. HOOLE, Cincinnati, Ohio.
R. F. MAXWELL, Louisville, Ky.
J. HENRY SIPP, Newark, N. J.
PERRY D. GATH, Columbus, Ohio.
A. G. GRUENDLER, Springfield, Mass.
F. C. GRAVES, Springfield, Mass.
FRANK STALEY, Indianapolis, Ind.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the Geo. W. Stafford Mfg. Co., Providence, R. I., a new machine shop 50 feet wide and 174 feet long, two stories high. The building is constructed of brick and iron, and is so designed that two additional stories may be added in the future. The same company have also just completed a new car barn for the New Haven Street Railway Co., the barn being 86 feet wide and 188 feet long. The roof is covered with slate.

The Covert Saddlery Works, Farmer, N. Y., inform us that their trade this season is fully fifty per cent. better than last.

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BICYCLE PROPHECIES FOR 1896.

The widespread interest among Hardwaremen everywhere as to the prospects for the coming Bicycle season of 1896, has led us to lay before the leading wheel makers of country several questions, a number of answers to which are given below:

POPE MFG. CO.

EDITOR HARDWARE; Replying to your favor of September 16th, it is our estimate that 600,000 bicycles will be put on the market during the year 1895, and probably 1,000,000 during 1896.

There is, unquestionably, a still increasing demand, though it is impossible to tell now whether or not a proportionate increase will continue after 1896.

The Hardware trade is becoming a more important factor all the time in marketing bicycles, and in a very large number of cases they make the most desirable agents that can be found. It is quite out of the question, however, for us to make any accurate guess as to what part of this year's product has been placed through them.

The prices on the highest grade of bicycles will not be reduced for 1896, and there is no reason that they should be. There is a strong probability, however, of the breaking of prices in the medium and lower grades, and there is a good deal of danger of a general disturbance in the marketing of these next year, owing to the fact that there are a good many manufacturers coming in who lack the experience or the capacity to make and sell bicycles in a way calculated to protect themselves and those with whom they come in competition. In other words, we believe that while the bicycles made by the most experienced and best equipped manufacturers will be in sufficient demand, and will be carefully enough handled during 1896 to insure their prices being held, the business in the others will be overdone.

Yours truly, POPE MANUFACTURING CO.
A. E. Pattison, Secretary.

Hartford, Conn., September 19th, 1895.

FAY MFG. CO.

EDITOR HARDWARE: Replying to your favor of the 16th inst. will say that we do not believe there will be over 750,000 bicycles manufactured in America for the season of 1896, and frem reports current we have been led to judge there has been about 450,000 manufactured in 1895.

We do not believe there is danger of the bicycle business being overdone, as the output will be controlled by the inability to get material,

FAY MANUFACTURING CO.
Harrison Williams, Manager.

Elyria, Ohio, September 18th, 1895.

KEATING WHEEL CO.

HARDWARE: We have yours of the 17th, but it is almost impossible to give a definite answer to the questions you propound. Bicycle prices will be about the same in 1896 as in 1895. The high grade wheels will sell at $100, medium and low grade from $75 down tp $50. Yes, we do think there is considerable danger of the bicycle industry being overdone in certain lines. Yours truly,

KEATING WHEEL CO.

Holyoke, Mass., September 18th, 1895.

CRAWFORD MFG. CO.

EDITOR HARDWARE: Referring to your inquiry, would say from what we know is going on in the bicycle trade, it is our opinion that the outpnt for 1896 will be about seven hundred thousand machines. This we imagine to be about 40 or 50 per cent. advance on the present year output.

We see no reason why the price of bicycles should be lower, as, in our opinion, the demand will absorb everything that can be produced; besides that, there is a general upward tendency, both in material and wages.

We have no means of knowing how many machines were sold by the Hardware trade for our neighbors, this past year; but think that more than 40 per cent. of our output was marketed through them, and it is the writer's firm belief that the Hardware dealers are one of the best channels through which to market this class of goods. We were among the first to seek an outlet through them, and have no reason to regret our effort in that direction.

THE CRAWFORD MANUFACTURING CO.

Hagerstown, Md., September 19th, 1895.

ROCHESTER CYCLE MFG. CO.

EDITOR HARDWARE: We beg to acknowledge receipt of your valued favor of the 18th inst. Our replies to the questions in your letter are naturally somewhat of the nature of guess work.

"How many bicycles will be manufactured in America for the season of 1896?" Three-quarters of a million.

"How many were manufactured in 1895?" Four hundred thousand.

"How many of these were marketed by the Hardware trade?" To this question we cannot give any intelligent idea.

"Will prices in general be lower or higher?" They will remain at about the same figures.

"Is there any danger of the Bicycle industry becoming over-done?" We should say not for the season of 1896; after next year we should say there is great danger of this.

ROCHESTER CYCLE MFG. CO.
A. E. Benjamin, Sec'y and Treas.

Rochester, N. Y., September 19th, 1895.

MCINTOSH-HUNTINGTON CO.

EDITOR HARDWARE: Replying to yours of September 16th, we take pleasure in answering your questions to the best of our ability, in the order in which you have asked them.

First: "How many Bicycles will be manufactured in America for the season of 1896?" We regret to say that upon this subject we can give no accurate information, as the only thing upon which we can base our estimate are the newspaper statements, and we unfortunately have not learned to have very much faith in them. From conversation with those in trade, however, we think it would be fair to estimate that the product for 1896 of American Wheels will be in the neighborhood of 500,000 to 600,000.

Second: "How many wheels were manufactured in 1895?" We have no accurate means of judging this any more than we have of the product for 1896, but should estimate at least 350,000, and of these, a large measure of them were marketed by the Hardware trade in one form or another.

Third: "Will the price of Bicycles in general be lower or higher?" So far as the season of 1896 is concerned, our opinion is that the prices of Bicycles will not vary materially from that of 1895, but that the demand will be such that prices will be maintained rigidly on all standard makes of wheels, and that the only opportunity to buy wheels at very low prices will be on odd lots and undesirable goods. There have been a great many rumors circulated and given publicity by the daily press to the effect that a numerous quantity of Bicycles were to be purchased during the coming season from some unknown source, and that the price of high grade wheels would not exceed $25 at retail. To the initiated, these statements are so absurd that it seems to be a waste of time to contradict them, but we find that the general public give more or less credence to them, and we therefore believe that it is incumbent upon the trade press

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to contradict such statements as those appearing in the daily press so that the trade may move along more smoothly than is likely to be the case with such erroneous ideas prevailing. An editorial from such a source as your own would have great effect, and we have no doubt that you could readily secure data to prove the absurdity of the statements.

Fourth: "Is there any danger of the Bicycle industry being overdone?" This is a question upon which we do not feel competent to express an opinion. In these hustling days, there is danger of almost any business being overdone, and to that extent we believe the Bicycle industry is in danger. It would seem, however, that there is sufficient conservatism and brains now engaged in the Bicycle business to control this to a certain extent, so that the demand may not so far exceed to supply as to demoralize the trade. It is unquestionably true that the margin to the retailer on Bicycles is gradually becoming reduced to the level of other goods, and that it follows as a necessary consequence that they must be introduced as a line in some legitimate business. The Hardware business seems to be the natural outlet for this class of goods, and we believe this fact is being recognized more and more each year. We know from our own experience as jobbers that we are now selling to many retailers who two years ago would have nothing to do with Bicycles. They are now forced into it by their competitors, and we believe that all those who take it up during the coming year will not be sorry for it.

McINTOSH-HUNTINGTON CO.

Cleveland, Ohio, September 20th, 1895.

THE WINTON BICYCLE CO.

EDITOR HARDWARE: Responding to your communication of the 17th, would state that in our opinion 400,000 bicycles would be a conservative estimate of the entire 1895 production in this country, while for the coming season the indications are that this amount will be about doubled. The Hardware dealers are the distributers of a very large percentage of the output, and are materially increasing their efforts in this department of their business. We have just finished moving into our new factory buildings, which are a double of our former capacity, and this of course will mean a corresponding increase in our output for the coming season. Our 1896 models are stylish, select, choice, and every one of them a work of art. The new models are a complete change, and do not consist of an alteration in name plate only. THE WINTON BICYCLE CO.

Cleveland, Ohio, September 19, 1895.

WARWICK CYCLE CO.

EDITOR HARDWARE: "How many bicycles will be manufactured in America for the season of 1896?" About 800,000.

"How many were manufactured in 1895?" About 500,000.

"In your opinion, how many wheels were marketed by the Hardware trade during the year past?" Have no means of knowing.

"Will the prices of bicycles in general be lower or higher?" We think prices will range about the same in '96 as '95.

"Is there any danger of the bicycle business being overdone?" Not at present. WARWICK CYCLE CO.

Springfield, Mass.

ST. LOUIS REFRIGERATOR AND WOODEN GUTTER CO.

EDITOR HARDWARE: In response to yours of the 8th, we have pleasure in giving you our opinion in reply to the various questions you ask.

First. We believe there will be in the neighborhood of 750,000 bicycles in the United States in 1896.

Second. We believe there were in the neighborhood of 425,000 manufactured in 1895.

Third. We have not sufficient information at hand to enable us to make anything but a hazardous estimate as to the portion sold to the Hardware trade. We, therefore, prefer making none.

Fourth. We think the average price of bicycles will be lower. What we mean by this is that a great many machines which have been sold at more than their true value will come down to where they belong. The strictly legitimate high grade goods will be sold without change of price, either at retail or to the trade.

In our opinion as to any danger of the bicycle industry being over done, will say that in one sense there is no danger, and in another sense a great deal of danger of this kind. In our opinion there is no danger about there being an over production of legitimate, reliable goods, made up by people of experience, who know what they should do. On the other hand, we fear that the market will be flooded with altogether too many machines turned out by people new at the business, that although their intentions may be the best in the world will be handicapped. It has been pretty clearly demonstrated that no one can make a bicycle to their own satisfaction, to say nothing about the exactions of the buyers, under two or three years' experience in which to get their factory in proper shape. A great many young makers are preparing to market large quantities of goods this year instead of pursuing what would be a more judicious course, and making haste slowly until everything was perfected. This form of over production will by the middle of the season fill the auction houses with plenty of bicycles, but it will not hurt the established trade materially, and in one sense it will have a good effect in that it will make bicycle riders, and most of these riders will sooner or later want first-class bicycles in place of those they first got.

We advise that the new maker be sure of every step he takes, and that the dealer do the same in choosing his line, for nothing is more certain than that an unsatisfactory line of goods will go further than anything else to disgust a Hardware dealer with a bicycle business the first year or two in which he takes it up.

Yours truly, THE ST. L. R. AND W. G. CO.

St. Louis, September 20, 1895. L. W. CONKLING.

QUEEN CITY CYCLE CO.

HARDWARE: Your letter of September 18th is at hand and carefully noted. In reply, we beg to state that while our information is not at all exact, and cannot be relied upon, we have reason to believe that there will be about 650,000 bicycles manufactured in America during the season of 1896 and that there were manufactured in 1895 about 400,000. It is impossible for us to judge of how large a proportion of the goods made this year were marketed by the Hardware trade, but we believe that it was quite a liberal percentage.

The prices of bicycles in general, we believe, will be about the same as last year. They should be higher on account of the increase of price in steel and various supplies, but the enlarged competition resulting from new makers entering the field will be likely to cut down margins somewhat. Yours very truly,

Buffalo, N. Y., September 19, 1895. QUEEN CITY CYCLE CO.

BUFFALO WHEEL CO.

Your favor of the 18th inst. at hand and noted. The questions you ask us are very broad, and those which only a man with a full knowledge of the trade happenings can answer. We cannot tell how many wheels were manufactured last year, nor how many wheels will be made the coming year. As to how many wheels were marketed by the Hardware trade is another problem we are unable to solve. You are in that trade and have better means of finding out than we have. As to 1896 prices it will all depend upon the disposition of the public and the manufacturers. If everyone rushes into the bicycle business next year there is a possibility of its being overdone.

Buffalo, N. Y., Sept. 21st, 1895. BUFFALO WHEEL CO.

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Review of the Markets.

Money: The market has just recovered from a moderate depression, but indications point to a steady rise. The apprehension of a new bond issue, due to the steady depletion of the Treasury gold reserve, has passed away, and though an issue before Congress convenes is possible it is hardly probable. Time money in New York is quoted at 3@3½ per cent. for short, and 3½@4 per cent. for long dates. Call money can be had at 1½@2½ per cent. The imports of general merchandise from the port of New York for the week ending September 21st amounted to $10,719,812. A considerable gain over the previous week.

Hardware: There is a fair volume of business with a steady improvement in sight. Builders' Hardware and shelf Hardware are moving quite freely. There have been large sales of carpenters' tools lately, which is regarded as a favorable sign. It shows that mechanics are being employed and that the building movement continues. The orders received by jobbers are of a miscellaneous kind, which goes to show that the retailers' trade is more than holding its own. Manufacturers do not look for a great improvement in the condition of the Hardware trade to be manifest before the spring, but things are in a much more satisfactory state now than this time last year. Some of the trade look with disfavor on the advances, as they fear a setback. They favor a more gradual increase in prices.

Cutlery: The condition of the market shows a gradual improvement. The manufacturers generally expect this movement to continue but no sudden rush of business is looked for. A healthier tone is the feature in this line.

Nails: There is a lull in the Nail market at present. This condition of affairs has been produced by jobbers and retailers buying up more Nails than they could possibly dispose of earlier in the season, in anticipation of still further advances. This makes the dull period come now instead of coming in June and July, when it is generally looked for. It may be interesting to state for the benefit of some who have not observed closely that since April the base prices of Wire and Cut Nails had advanced, the first named from 80 cents car load lots, f. o. b., Pittsburg, to $2 25; the last named from 70 cents, for car load lots, f. o. b., Pittsburg, to $2. The increase is not, however, all profit to the manufacturers, as some suppose, for the advance in raw material has made the cost of production of Nails increase fully $1 per keg. A special price can be obtained on Nails for export trade. The buoyant condition of the American Nail market has had a salutary effect on other markets, and a better condition prevails the world over. Manufacturers are reluctant to state their opinions as to another advance, but they say, however, that if the cost of raw material still goes up another advance in Nails is inevitable.

Wire Nails: There is no change in prices. Quotations are as follows: Carload lots or mixed cars, $2.25 per keg, base, f. o. b., Pittsburg; less than carload lots, $2.35 per keg, base, f. o. b., Pittsburg. To jobbers taking from one mill within one calendar month 1,000 kegs and over 5 cents per keg rebate will be made.

On contracts direct shipments of less than car lots of 24,000 pounds of Nails an extra 5 cents per 100 pounds will be charged. Wire Nails in carload lots on dock in New York are quoted at $2.40, and small lots from store are held at $2.50.

Cut Nails: On September 13 a meeting of the manufacturers was held and an advance of 20 cents per keg was agreed upon, to harmonize with the advance which had recently been made by the Wire Nail producers. The prices now ruling are: Carload lots or over, $2, base, Pittsburg delivery; less than car load lots, $2.05, base, Pittsburg delivery. To jobbers taking from one mill within one calendar month 500 kegs or over 2½ cents rebate per keg is allowed, and on 1,000 kegs 5 cents per keg rebate is made. For half kegs 10 cents extra will be charged. New York quotations are as follows: Carload lots on dock, $2.15; small lots on dock, $2.26, and small lots out of store, $2.30.

Auger Bits: A revised list on Auger Bits was adopted September 5, by the following manufacturers: Snell Mfg. Co., the New Haven Copper Co., Humphreysville Mfg. Co., the Connecticut Valley Mfg. Co., the Hamden Mfg. Co., James Swan, Deuce Bros., C. E. Jennings & Co., the Peck, Stow & Wilcox Co. and the Chester Mfg. Co. The new list is as follows:

3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16
$3.50	3.50	3.50	3.75	3.75	4.00	4.25	4.50	5.00

12/16	13/16	14/16	15/16	16/16	17/16	18/16	20/16	22/16	24/16
$5.50	6.00	6.50	7.25	8.00	9.00	10.00	11.00	12.00	14.00

It will be seen that new figures are in force on only the sizes from 4-16 up to 9-16.

Linseed Oil: The Dean Linseed Oil Co., quote pure Linseed Oil as follows: raw 42 cents per gallon, boiled 45 cents per gallon and Calcutta raw 47 cents per gallon.

White Lead, dry or in oil, and Red Lead and Litharge in kegs, the quotations given by the National Lead Co., are as follows: In lots of 500 pounds or less 6 cents net; in lots of 500 pounds or over 5½ cents.

Putty: Quotations remain the same at 1.40@2.25, as to quantity and style of packing.

Glass: At a meeting held in Chicago recently the final arrangements for the glass combine were perfected. The entire product of the association will be marketed through two central agencies, one at Pittsburg and the other at Muncie, Ind. It was also deemed advisable to advance the price of glass 9 per cent.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake, ₩ ℔	12½
Ansonia grade Arizona	12
" " Casting	11¾@11⅞
G. M. B	11¾@11½

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl., ₩ ℔	17c.
Over 3½ to 5 " " ₩ ℔	18c.
Square and Hexagon Rods, 1c. ₩ ℔ extra.	

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive, ₩ ℔	18c.
Over 3½ to 5 " " ₩ ℔	19c.

Antimony.

Hallett's, ₩ ℔	8
Cookson's	9

Lead.

Foreign, ₩ ℔	nominal.
Domestic, Pig	3¾@3⅞

Spelter.

Western Spelter	4⅝@4¾
Bertha (pure)	7@7½

Zinc.

600 ℔ casks	6
Per ℔	6½

Tin.

Straits, Pigs	15¾@15½
Straits in Bars	16½

Tin-Plate.

Coke Tins:	
J B grade Coke Tin	4¾
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.25
Do. 20x28	8.50
D. R. D. grade, 14x20	4¼
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Prosperity is writ large without respect of class. It takes time to convert corn into meat and prospects into dividends. A silver statesman cannot be turned into a gold bug in a moment any more than can the silver certificates be converted into gold in large amounts. The lawyer that can win every case and the broker whose advice is always right are yet to be born. Government expenditures have exceeded receipts during 32 months, ending September 1st, $136,196,229.68. Total merchandise imported free of duty in 12 months ending June 30, 1895, was $363,233,795; the value of that paying debt was $368,736,170. In 1890 there was $225,317,075.65 collected as duties on $507,571,763.95 of values. An English statistician claims 70 per cent. increase in real wages (purchasing power) in United Kingdom during 31 years ending 1891, and 60 per cent. increase in United States during the same time. Dry goods imports since January 1st equal $107,000,000 against about $61,000,000 last year. The *Chronicle* says: 'It is felt that with foreign exchange so high this is not the time to encourage a speculation either in stocks or commodities.' Other authorities believe foreign money anxious to come here if rates of interest warrant. The

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world's railways are estimated to be worth thirty billion dollars. Bessemer iron is again being imported; the first cargo arrived in Philadelphia last week from the Mediterranean district."

THE BIRMINGHAM TRADE.

We are glad to report continuation of good trade, and think that the prospects for at least the remainder of the year are good.

The products of the field, orchard and garden have been abundant, thus increasing the purchasing power of the people, making them cheerful and hopeful. While the cotton crop will be short, the price has advanced and will make up for deficit in quantity, thereby saving the farmer the extra labor of handling a large quantity, and giving him more time to devote to other sources of income.

We note that the consumption of iron throughout the country continues to run ahead of production, and it appears that the stocks will before a great while, become very light. In the face of facts of this kind, we do not see much chance for a decline in iron and steel products. Besides, the consumption, even at the present rate, is not as large as it was at a former period, when our population was considerably less than it is now.

The meeting of the G. A. R in Louisville, the dedication of the National Park at Chicamauga and the Cotton States Exposition in Atlanta are all tending to give the South some good advertising. We feel sure that the citizens at the points mentioned will display their usual courtesy, giving some good impressions of this section of the country.

Another hopeful feature is that immigration is coming this way. The agent of the Louisville & Nashville Railroad has recently succeeded in locating a colony near Birmingham, which will give us an influx of new population. We trust that they will bring with them the ideas of true progress and, as they come from different sections of the country, will mingle their ideas with those of our native population, and thus get a good combination, which will be better than the ideas of any particular section, illustrating that diversified labor is best, and that there are other sources of income than those of raising only corn and cotton.

When we can once have an abundant population we will not be troubled in securing manufacturers, as they are always anxious to be contiguous to a dense population.

MOORE & HANDLEY HDW. CO.

THE PITTSBURG TRADE.

We think we are speaking within bounds, when we say that the present improvement in the Iron and heavy Hardware business manifested itself first in Pittsburg, and that our city has well maintained its position as the leader of iron and steel manufactures.

Looking about us to-day at our furnaces, mills and shops, all fully employed, with orders in hand for months ahead, it is difficult to realize that less than one year ago the depression in prices and demand was at its lowest ebb. The best informed and most far-sighted of our manufacturers were prepared for the great demand which sprang up this year, but many were not so prepared, and failed to profit by it. However, all are now getting a share of the returning prosperity, and labor is fully employed.

There is a strong feeling among conservative business men that prices of some goods are being pushed up too radidly. This is notably the case with Nails. We have all been doing business without profit so long, that there is a temptation to overdo the matter, now that the opportunity offers; but these things will soon regulate themselves.

We find that it takes several months for changes, either for better or worse, which occur in the cities, to work out into the small villages and crossroad stores. These places are yet struggling with a scarcity of money and poor trade but as the increased purchasing capacity of labor begins to be felt, farm products will be in better demand, the crossroad stores will sell more to the farmer, and they in turn will want more from the jobber and manufacturer.

The weather in the first half of September was unreasonably warm, somewhat retarding the sale of fall Hardware, but the general line of goods is moving in good volume, and cooler weather will improve the demand still more.

LOGAN, GREGG & CO.

THE BOSTON TRADE.

There seems to prevail a decidedly conservative feeling among the retail trade, and purchases represent only what immediate wants demand, there being an absence of speculative feature in the orders that are being placed. Although we do not expect the immediate boom which many predicted during the summer months, yet the volume of business is very satisfactory, and the general reports from New England jobbers indicate that orders are coming in freely, and for assortments that are attractive.

The advances daily made by the manufacturers are being maintained, and it is only the unreasonable buyer that objects to paying any legitimate advances. While these advances are welcomed by all good business men, yet it is hoped that manufacturers will be as conservative as their interests will allow, as any change in opposite direction might prove disastrous.

Reports from manufacturing towns are that labor has been well employed, and in many cases at an increase of wages.

Although we may not feel the benefit of the condition immediately, yet it will be sure to follow in the early spring months.

FRYE, PHIPPS & CO.

THE BUFFALO TRADE.

August, one of the usually dull months, left nothing of any special moment to report. The volume of business was better than a year ago, but this may be accounted for in part by the advance in prices, which we are pleased to report have been fairly maintained both on the part of the jobber and manufacturer.

Although orders have been small, they have been frequent and well assorted, and the business has been a healthy one.

The recent advances in Steel and Wire Nails have not been received kindly by the trade, but we trust that a few days will bring a better feeling in this respect.

Present indications bid fair for a steady fall trade, and unless something unlooked for occurs, we will undoubtedly realize our expectations.

WEED & CO.

THE PHILADELPHIA TRADE.

The excessively hot weather has had its effect upon trade, and while business is still in excess of the same period of last year, the time has been taken for a breathing spell in the last few weeks. One of the characteristic signs of the century is the increasing number of conventions which are being held in all parts of the country, and there is scarcely a man who does not serve as a delegate to a convention of Odd Fellows, Knights Templar, Masons, Christian Endeavorers or some similar association.

The last week has witnessed the Grand Army celebration at Louisville, the Odd Fellows convention at Atlantic City, the opening of the Atlanta Exposition, and political conventions too numerous to mention—all these have the effect of withdrawing men from business and making trade a little quiet. It is confidently thought, however, that this is simply a breathing spell, and all look forward to a large trade this fall.

Prices show no signs of weakening, but on the contrary are firmer than ever, and there is every indication that many goods on which prices are still unchanged, will, before long, join in the procession and march towards higher figures.

Last week there was a proposition made to again advance the price on nails, but in deference to popular feeling, this

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action has been, at least for the present, postponed, although higher prices seem very probable. It is commonly charged that nail manufacturers are going too fast, but it does not need a very long memory to recall Wire Nails at $2.50 per keg, as this was the price in 1891, and was then considered a low figure. Manufacturers claim that even at present prices there is very little profit in the goods owing to the increased cost of material.

New prices throughout seem well sustained. Large stocks at old prices are comparatively few, and while they sometimes exist, the holders find that after so many years of a declining market, they must recruit when the opportunity offers.

There is no denying that collections are slow, and again the weather prophet comes in for a share of blame. It is very hard to be energetic and persistent when the thermometer is 95 to 100 degrees, and no one has the heart to blame a collector if he mops his face in a cool spot, and let the debtor go undunned for a few days. A few brisk winds will doubtless make things once more lively, and they may reasonably be expected in a few days.

BIDDLE HARDWARE CO.

THE CLEVELAND TRADE.

The extremely unseasonable weather of the past two weeks has had a depressing effect upon trade, and as a result, the volume of business for the first two weeks of September is not as satisfactory as we would like to have it. In spite of this lull, values are well maintained, and there is no sign of weakening anywhere. The demand is sure to come, as we must certainly have some cool weather before long, which is all that is necessary to place business upon an active basis.

The sale of specialties, such as Oil Stoves, Air Tight Stoves, Stove Boards, etc., had been reasonably good up to date, but the retailers have not as yet been able to dispose of their first purchases, and until that condition comes, the jobber must be contented with a limited business.

The advanced prices on Nails, Barbed Wire and Smooth Wire are very firmly held, and indications are that they will be maintained absolutely during the balance of the season, and in all probability rule in the Spring.

THE MCINTOSH-HUNTINGTON CO.

THE BALTIMORE TRADE.

Business in this section during the past month has been very good, so good, in fact, that the writer has been obliged to omit his letters to HARDWARE under the pressure of other duties. Orders are plentiful. Those sent us by salesmen are larger and more satisfactory as to quantities than for any period during the past eighteen months, while the voluntary mail orders of the "Rush type" have been so numerous as to tax us up to our full capacity. To borrow a phrase from the manufacturers' parlance, we are "running full time."

What has added to the activity more, perhaps, than either of the above causes has been the number of visiting buyers in this market. Baltimore has always been favored in this respect. Before the travelling salesman had become as omnipresent as he is to-day, it was considered by the Southern merchant a necessary pilgrimage to come to the Baltimore market at least once a year. Aside from the social features attending such visits, it had a foundation upon good business reasons. The advantages of buying in an open market are many. The merchant comes prepared with his want list and the last cost of the goods to him. He visits each jobbing house pricing such articles as he needs, studying the quality of goods, examining novelties and incidentally picking up any improved business methods adapted to his line. He is an up-to-date man; he knows the market value of staples and looks into the future with a clear vision. Of course, he places his order to the best advantage. The advent of mammoth catalogues and the large increase in the number of travellers employed by jobbing houses has greatly reduced the ranks of visiting buyers, but there still remain a sufficient number who cling to the old method of buying, and we cannot help but think that they are the gainers.

This season brought many such here who failed to visit us last year owing to the business conditions then existing. Their hopefulness is certainly refreshing, and it would be a skeptic of the most malignant type who could look upon the bright faces of those Southern merchants and not be convinced of the return of "good times." One Georgian earnestly remarked to the writer, "Give our planters seven cents for their cotton, and there will be no necessity for our merchants asking any extension."

Speaking of cotton. Has the average Hardware dealer stopped to think how the increase in price of this commodity will be reflected next Spring by the advance in Back Bands, Web Halters and Ties, Collar Pads, Seine Twine, Trot Lines, etc.? Cotton Rope has already felt the impulse, and several of the items named above are at that chrysalis stage and give promise of coming forth dressed in higher figures. This is an era of changes.

In the world of manufactured iron the changes have been so many and so varied as to keep perplexed the coolest of us. No one can be averse to changes that are justified by an increase in the cost of production. The manufacturer is as worthy of his wage as the workman, but some recent advances have so little to recommend them that the effect must later be suicidal to the "boomers." Every ship that sails the sea of trade must fly its colors at the mast, and looking upon these crafts calmly and dispassionately we detect among the fleet some who fly the pirate flag, although it bears evidence of having been recently painted white. It is but fair to admit, however, that the majority of these advances have been fully justified, conservatively made, strictly adhered to and give every promise of lasting. Collections are fully up to expectations.

THE TABB & JENKINS HARDWARE CO.

THE TOLEDO TRADE.

The Hardware trade in general has been quite fair, owing to the increased demand for goods. We find there is considerable building going on in our section, especially in Toledo, which makes builders' Hardware quite in demand. The demand for nails has been greater than in previous years, but we look for a falling off in nails, wire and heavy goods, as we think the dealers and consumers of the above mentioned goods have added to their wants several months ahead of their use, so that there will not be much of a demand this fall in these lines. Although this month's trade is fair, still it does not indicate a very large business for the fall months. August business was way ahead of former years, but September shows a decline.

We think that the manufacturers of heavy goods have advanced their prices so rapidly, and for more than the demand later on will warrant, and we expect to see a reaction set in this winter.

There is quite a demand at present for Galvanized Sheet Iron and Black Sheets, Coal Hods, Elbows, Stove Boards, and also for builders' Hardware. Manufacturers of builders' Hardwars seem to be slow in filling their orders, especially in the better grade of goods. Tinware has been selling very low, owing to the fact that the manufacturers quote what they call their minimum price to every department store and five and ten cent store they can find; in fact they quote the same price to the small trade that they do to the jobbing trade. Manufacturers claim that they are selling at a loss. We think that if they would confine themselves to the jobbing trade, they would get better prices than by trying to cater to all the Cheap John Stores in the country. They would not only get better prices, but would sell a better grade of goods.

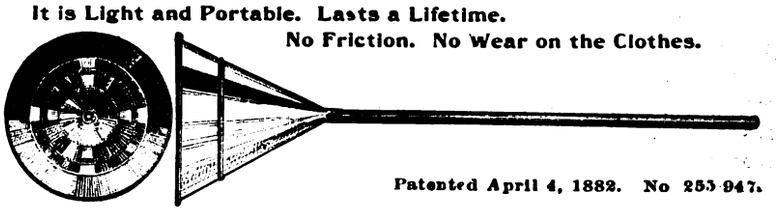
The crops in our section have been very good, with the

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WHY NOT SELL
LINENOID PORTABLE BATHS?
White Enamel Finish.
WRITE FOR DISCOUNT.
CRANE BROS., Linenoid Manufacturers,
WESTFIELD, MASS.
Linenoid Pin Tray Free.

THE KEENEDGE SKATE GRINDER AND SKATE HOLDER.
SKATE GRINDING MACHINERY
Special Discount to the Trade.
Write for prices and circular to
CHARLES PERKINS,
Bridgewater, Mass.

The Compressed Air Washer at the Head.
It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.



Patented April 4, 1882. No 255 947.
We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.
Retail Price, $2.50. Send for Circulars and Prices
Manufactured only by E. M. HEATHMAN & CO., HAMILTON, O U. S. A.

exception of hay. A large corn crop seems to be in sight. Fruits are very plenty, and a drug on the market.

We hope that we will enter upon a good healthy business for the next few years, but not upon boom times.

Admonishing all not to be afraid to ask good prices, we remain, STOLLBERG & CLAPP CO.

THE DAVENPORT TRADE.

The continued hot weather is having a decidedly depressing effect on trade. Mercury climbs up among the nineties every day, without any more apparent effort than it requires to advance the price of iron nails or barb wire. Farmers refuse to sell their grain at the ruinously low prices offered, and hence they cannot pay for the Hardware they have bought during the summer, necessarily making collections slow.

The rapidly advancing prices of staple goods for a time seemed to stimulate trade, but now the effect is the same as with other stimulants that were sometimes used here, before Iowa became a prohibition state—the reaction occurred, and merchants are buying less than usual, not that the prices are really too high, but the suddenness of the change is paralyzing. The Hardware market pendulum swings too far and too often. Will we ever settle down to a reasonably steady market again, and with a uniform margin of profit?

SICKELS, PRESTON & NUTTING CO.

Mr. Hamilton, of Rogers & Hamilton, Waterbury, Conn., had a narrow escape from drowning some nights since. He was on the yacht of Mr. Wayland when it was shipwrecked, and only the arrival of timely help saved the lives of those aboard.

Warren Woodruff, a resident of Rockford, Ill., for fifty years and a pioneer in the Hardware business, died at the age of seventy-five years.

The New York Hardware Club would be pleased to receive copies of all the latest catalogues and other publications of the trade.

The Chantrell Tool Works, Millmont, Pa., will build an additional building of 125x53 feet.

When you begin Handling Bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES ARE GOOD TIRES

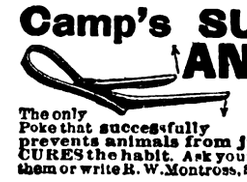
The M. & W. quick-repair pamphlet is interestingly illustrated from life.

HIGHEST GRADE OILER
FOR HIGH GRADE WHEELS.
25c.

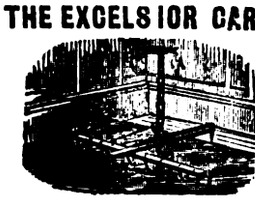


Regulates supply of oil to a drop.
DOES NOT LEAK.
Cushman & Denison, 172 9th Ave., N. Y.

Camp's SUCCESS ANIMAL POKE
The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

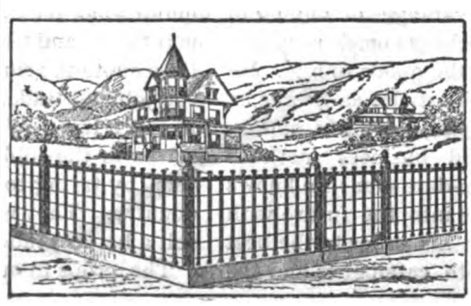


THE EXCELSIOR CARPET STRETCHER and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.



KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market.

Send for Illustrated Circular and price list.

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HALL BROS. MFG. COMPANY,

—Manufacturers of—

"Mosaic" (TRADE MARK.) Enameled Stove Boards.

OFFICES AND SALESROOMS:

NEW YORK, 260 Canal St. CHICAGO, 5 Fifth Ave. PHILADELPHIA, 249 S. Second St. BOSTON, 90 Canal St.

FACTORY: BELDING, MICH.

TO THE TRADE.

BELIEVING there is a demand for a superior line of Stove Boards and judging from the success we had last season with the "Mosaic" Enameled Board, we think it would be to your advantage to look at our samples before placing your order. We carry a full line of stock in our New York, Philadelphia and Boston salesrooms, and will be glad to answer all inquiries and quote prices.

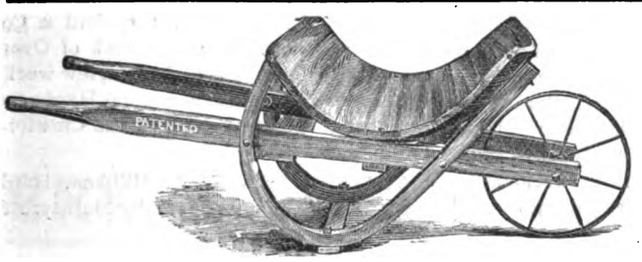
POINTS OF EXCELLENCE.

The Plates used for our Enameled Stove Boards are 20 per cent. heavier than used on any other Stove Boards manufactured.

It Requires a temperature of 240 degrees to finish them, consequently the enamel is indestructible.

Washing or heating will not injure the surface.

The Most durable, the handsomest and finest finished Stove Boards on the market.



Wheelbarrows

of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

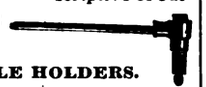
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Toledo Wheelbarrow Works, Toledo, O.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our



FORBES PATENT DIE STOCKS.

CURTIS PATENT NIPPLE HOLDERS.

CURTIS PATENT RATCHET DRILLS.

PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden St., Bridgeport, Conn.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS**, AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
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WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS.

THE HANSON & VAN WINKLE CO.,

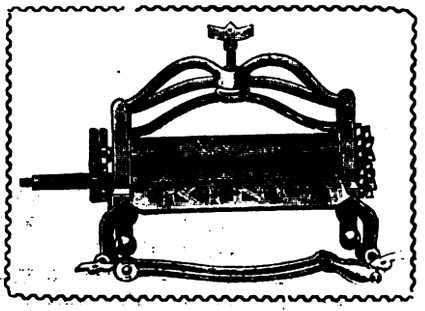
CHICAGO NEWARK, N. J. NEW YORK

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

WOOD AND IRON FRAME WRINGERS.

HIGH GRADE, WARRANTED.







Before placing FALL ORDERS write us for our PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Bowling Green, Ky.—Mr. Kellogg.
Davenport, Ala.—W. J. Brasswell.
Hattiesburg, Miss.—William Temple.
Lenoir City, Tenn.—J. E. Delay.
Marble Falls, Tex.—T. W. Smith.
Methven, Man.—A. E. Downey.
Meridian, Miss.—J. N. Melton and M. M. Cross.
Northville, N. Y.—D. B. Taylor.
Riverdale, Mich.—G. Tallon.

Record of Changes.

Algona, Iowa.—Parish & Frise, Hardware, reported to have dissolved partnership. Business continued by F. L. Parish.

Andrews, Ind.—Kaufman & Young, Hardware, reported to have been succeeded by Sipe & Campbell.

Alexander, Iowa.—E. D. Haecke & Co., Hardware, reported to have been succeeded by Charles Beed.

Angola, N. Y.—Landon & Son, Hardware, have been succeded by H. S. Landon.

Bartow, Fla.—W. R. Claxton, Hardware, G. C. Culver, of Iowa, purchased half interest, and the style of the new firm will be Claxton & Culver.

Batana, Iowa.—Elmer Fishel has sold his stock of Hardware to D. Y. Kennedy.

Bonita, Tex.—Reed & Taylor, Hardware, reported sold to D. M. Carr.

Camden, Del.—Charles W. Lord, of Camden, has exchanged his store, stock of Hardware and adjoining blacksmith and wheelwright shop, for the farm of Samuel Armstrong near Cedar Grove school-house.

Charleston, S. C.—R. J. Morris & Co., stoves and tinware, reported to have been succeeded by Richard J. Morris.

Clinton, Ark.—S. W. Simpson & Son, Hardware firm, succeeded by C. E. Simpson.

Ennis, Tex.—Bird Bros. & Co., Hardware, reported sold to Z. T. Williams.

Erie, Pa.—J. H. Kalvelage, Hardware, has sold business to Kalvelage Bros. & Deuser, who will carry on the Hardware business.

Freeport, Ill.—J. P. Coffey has sold a half interest in his Hardware business to L. I. Hatchett, of Lanark, Ill.

Halifax, N. S.—William G. Robertson has been admitted a partner into his father's Hardware business, which will hereafter be known as William Robertson & Son.

Hardy, Ark.—The Williams Hardware Co. have sold their business to H. Y. Robinson.

Houston, Tex.—Dunlay & Geisler, wholesale and retail Hardware, etc., reported to have been succeeded by J. S. Dunlay Hardware Co.

Lafayette, Ind.—The Weber Hardware Co.'s plant, at No. 220 Main Street, has been purchased by Charles Schimmelpfennig and Henry Shonkwiler, who will continue the business.

Lake Charles, La.—Woodman & Beardsley, Hardware, succeeded by the Laxley-Martin Hardware Co.

Lansingburgh, N. Y.—Robert C. Comisky has sold his Hardware business to Lourie & Co., of Waterford.

Lone Rock, Wis.—Shannon & Carroll, Hardware, reported to have been succeeded by D. Shannon.

Lowell, Mass.—Callahan & Sanborn, Hardware, reported to have dissolved partnership.

Macon, Ga.—Etheridge, Tramwell & Co., Hardware firm, succeeded by Etheridge & Baker.

Mapleton, Iowa.—Odell & Read, Hardware, reported as having dissolved partnership, S. Odell continuing the business.

Marion, Iowa.—George H. Cardell has purchased a half interest in the large Hardware business of George W. Toms.

McComb City, Miss.—B. A. Heidenrich, Hardware, has been succeeded by Heidenrich & Carroll.

Memphis, Tenn.—Mount & Donnell, retail Hardware, succeeded by J. E. Mount.

Mexico, Mo.—Roy Ferris is now sole proprietor of the Ferris Hardware store on the west side, he having purchased his father's interest.

Montpelier, Vt.—The Churchill Hardware store, A. M. Churchill has sold his interest to C. A. Gile.

Morristown, Tenn.—McFarland, Moffett & McCord, Hardware firm, John McCord sold his interest in this firm, and purchased the Hardware business of Brown & Wells.

Mt. Cory, Ohio.—Cyrus L. Guinn, the Hardwareman at Mt. Cory, has traded his store for a farm in Hardin County and will move there shortly.

Mt. Joy, Pa.—Harry S. Newcomer has bought out the Mt. Joy Hardware Co., and will take possession of the business January 1, 1896.

Nevada, Mo.—L. B. Sullivan & Co., Hardware, etc., reported to have been succeeded by R. F. Lancaster.

Northville, N. Y.—James B. Wilson and Charles B. Resseguie have purchased the Hardware business of Darling & Taylor.

Oakland, Iowa.—T. E. Huff, Hardware, reported as having been succeeded by S. S. Rust & Co.

Olympia, Wash.—Merrifield & Co., Hardware, reported to have been succeeded by Merrifield & Kirby.

Oregon, Ill.—Gilbert & Tyler, Hardware, C. C. Tyler purchased half interest in business; will be conducted under the above name.

Orlando, Fla.—J. L. Guernsey has purchased the Winkleman Hardware stock, and will move the goods into his own store.

Perris, Cal.—J. J. Walther & Co., Hardware, J. R. Parker retires.

Ravenwood, Mo.—Warden & Foote, Hardware, reported to have been succeeded by Ross & Son.

Redwood, N. Y.—E. H. Smith has sold his Hardware store and stock to E. J. White.

Reedville, Pa.—F. M. Womer has disposed of his Hardware store to Mr. Gibboney.

Sherman, Tex.—The Roberts, Willis & Taylor Co., Hardware merchants, changed name to Roberts, Hardwicke & Taylor Co.

Westminster, Md.—F. Thomas Babylon has withdrawn from the firm of Babylon & Gilbert, plumbers and extensive dealers in general Hardware, etc., on account of ill health, and his interest in the business has been purchased by Denton S. Gehr, teller of the First National Bank. The new firm has taken the name and title of Gilbert & Gehr.

Winston, N. C.—R. B. Crawford & Co. have bought out the entire stock of Overman & Merriman, who assigned a few weeks ago, and will continue a general Hardware business at the same stand, in the Crawford building.

Yorktown, Ark.—E. A. Milliken, Hardware, etc., stock purchased by McIntyre & Son.

Improvements and Removals.

Gloversville, N. Y.—Henry J. Jenkins has removed his Hardware establishment to No. 14 Bleecker Street.

Parishville, N. Y.—Thos. Crawford, purchaser of the stock of the Hardware owned by the late L. A. Hoit, has bought the "old stone store" of H. M. Daggett, and moved his stock of goods. He will occupy the rooms over the store as a dwelling.

Roscoe, Pa.—W. A. Furlong has moved his Hardware store into his new building.

Unionapolis, Ohio.—E. W. Roderick, Hardware dealer, will remove his stock of goods to Agosta this week, and will enter business. Mr. Roderick is well known in the western portion of the county, having resided there before.

Warren, Pa.—The Pickett Hardware Co. are building a large warehouse at the corner of Beech Street, opposite the Dunkirk freight depot. The building will be 20x80 feet, with platform all around, and a switch on the railroad side. The building will be used to store heavy Hardware.

Business Embarrassments.

Pittsburg, Pa.—Howard Royer & Co., Hardware merchants, of Smithfield Street, have made an assignment to H. I. Riley.

Youngstown, Ohio.—John H. Blunt and George Blunt, engaged in the retail Hardware and tinware business at the corner of Federal and Holmes Streets, recently made an assignment to Joe Davis. Business depression is believed to have caused this action.

Burglaries in Hardware Stores.

Buffalo, N. Y.—Adam Reid, $100.
Evansville, Ind.—H. I. Simmons, $24, arms, ammunition and cutlery.
Fisher, Minn.—Hamilton Bros., $200.
Gorham, N. Y.—C. L. Crosier, cutlery.
Rushville, Neb.—F. J. Andras, $200.
Sandusky, Ohio.—P. L. Van Alstyne, $75.
Sandusky, Ohio.—J. Mertz & Sons, cutlery valued at $15.
Waterloo, Que.—E. & P. Gates, small loss.

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THERE is always a time in the career of every business when Quality and Finish is necessary to build up and maintain your business.



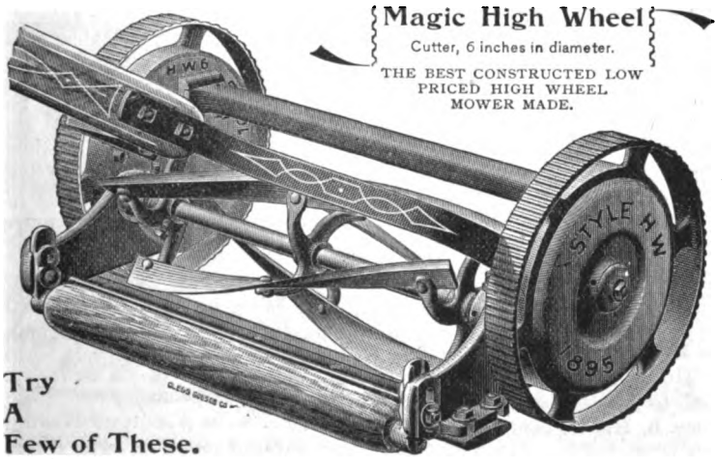
Has this time yet come to you?

It has if you wish to continue the confidence your customer has placed in you. The more competition you have the better ought to be your line of Barrows.

Thoughts and Ideas are valuable, but to maintain the intelligent effort, your goods must maintain a high quality and a moderate price. **THE CHAMPION BARROWS** possess all the above. What more can you ask?

BRYAN MFG. CO., Bryan, Ohio, U. S. A.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS



Try A Few of These.

WERE THE

OFFICIAL

MOWERS OF THE

Columbian Exposition.

OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters fron D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,

Richmond, Ind. U. S. A.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.

MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS, WHICH ARE UNEQUALED.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Beaver Falls, Pa.—Steps are being taken looking to the organization of a company to manufacture bicycles, in the Swoger factory building, with M. R. Rappold, as superintendent.

Beaver Falls, Pa.—The Eclipse Bicycle Mfg. Co., has been incorporated, with A. M. Jolly, president; Simon Harrod, vice-president, and H. T. Dempsey, secretary. Capital stock $25,000.

Bridgeport, Conn.—N. Larson, sporting goods, etc., is preparing to open a new store.

Bridgeport, Conn.—Steps are being taken looking to the organization of a company to manufacture a newly patented folding bicycle.

Brooklyn, N. Y.—Henry Osborn, No. 235 Cumberland Street, is reported negotiating for one of the largest buildings in the eastern part of Brooklyn, for a bicycle academy, and for the sale and rental of bicycles.

Chicopee Falls, Mass.—Thomas G. Spalding, of Jersey City, C. L. Pepper, and others, are reported to be organizing a company, with a capital stock of $50,000, to establish a bicycle tire factory. Other bicycle materials are to be manufactured. Mr. Pepper, who was formerly superintendent for the Overman Wheel Co., will take charge of the new factory.

Cohoes, N. Y. — William Beattie, Sr., machine shop, is preparing to erect a factory building on Columbia street, for the purpose of manufacturing bicycles. He is endeavoring to induce the Common Council to exempt the new industry from taxation for a period of years.

Dalton, Pa.—Rice & Davis, Hardware, bicycles, etc., have opened new store.

Decatur, Ala.—William Tucker, Hardware, has opened new store, and will add bicycles. Propositions from manufacturers of bicycles, and bicycle sundries are solicited.

Elgin, Ill.—The Illinois Watch Case Co. have commenced the manufacture of bicycles, confining themselves to a strictly high grade wheel. The company announce that the capacity will be 5,000 for 1896, and that 20,000 feet of floor space is being added to the present height.

Greenville, Ill.—Hord & Armstrong, new firm composed of A. L. Hord, and E. I. Armstrong, preparing to commence business about September 1st, and will deal in vehicles, and implements, and add a line of bicycles, if satisfactory proposition is submitted.

Harrisburg, Pa.—Ewing & Foster, bicycles, new firm composed of J. G. Ewing, and Douglass Foster, preparing to open new store on Front Street.

Indianapolis, Ind.—John A. Wright is reported to be endeavoring to organize a company to put on the market a device recently patented by him, for catching tacks that are caught by the tire while riding, claiming that the tire is not punctured at the first contact, and that the device will remove the tack before a second revolution of the wheel.

La Porte, Ind.—The J. W. Bryant Co. has been incorporated, with a capital stock of $40,000, to manufacture bicycle rims of paper.

Little Falls, N. Y. — Snyder & Fisher, manufacturers of knitting machinery, announce their intention to commence the manufacture of bicycles, expecting to be able by November 15, to turn out twenty-five high grade wheels per day. They will erect an addition to their present plant, and employ seventy-five additional operatives.

Mantua, Ohio.—Bard & Brainard, hardware, bicycles, etc., preparing to commence business.

Marion, Iowa.—Charles Drew, of Elgin, Ill., is forming a partnership with Cheney White, and will do a general bicycle business, with repair department, corner of Fourth Avenue and Eleventh Street.

Morrisville, Pa. — M. H. Mason, Jr., jeweler, has added a line of bicycles, and is obtaining information, with the view to adding a bicycle repairing department.

Syracuse, N. Y.—The I. A. Weston Co. has been incorporated by I. A. Weston, of Janesville, N. Y., C. W. Snow, of Syracuse, and others, to manufacture and sell bicycle wheels, etc. Capital stock $20,000.

Thompsonville, Conn.—Steps are reported as being taken looking to the establishment of a bicycle factory here.

Winchester, Cal.—John Patterson, bicycles, accepted agency for the Monarch bicycle.

Changes and Removals.

Detroit, Mich.—Huber & Metzger, bicycles, etc., reported to have dissolved co-partnership, Stanley B. Huber, continuing the business.

Frankfort, Ind.—Fennell & Shaw, have been succeeded by the Clinton Cycle Co.

Hartford, Conn.—American Cycle Repair Co., has dissolved co-partnership, E. A. Wheeler continuing the business under the same name.

Indianapolis, Ind. — Aker & Lake, bicycles, reported dissolved, E. Aker continuing the business.

Newark, N. J. — A. K. Fields, sporting goods, has been succeeded by Max Bros.

Newark, N. J. — Reed & Marsh, bicycles, reported to have dissolved co-partnership.

Pottstown, Pa.—Pottstown Nickel Plating Co., which was recently organized, has purchased the manufacturing plant of the Light Cycle Co.

St. John, N. B.—Burnham & March, bicycles, reported to have dissolved co-partnership. Ernest C. March continues and liquidates.

Toronto, Ont.—The A. D. Fisher Co., bicycles, reported to have dissolved co-partnership. A. D. Fisher continues style unchanged.

New Goods and Improvements.

Brooklyn, N. Y.—C. J. Cock, at No. 676 De Kalb Avenue, is endeavoring to interest capital in manufacturing and placing on the market an improved sprocket wheel, which is said to have several unique features.

Hagerstown, Md.—Crawford Bicycle Co., R. S. Crawford president, will shortly increase working force from 700 hands to 1000, when factory additions are completed. The company has recently distributed $10,000 among its employees, out of the earnings of the past year.

Jamestown, N. Y.—The Fenton Metallic Mfg. Co., manufacturers of the Blue Crown Fenton Bicycle, have contracted with the Fox Machine Co., the Baird Machinery Co., the Hendy Machine Co, for a complete bicycle manufacturing equipment, which is meant to increase their already large capacity.

Peoria, Ill.—Euthy & Co., heretofore dealing in bicycles, are making arrangements to commence their manufacture, and will put in the machinery, for the turning out of a high grade wheel.

Peoria, Ill.—F. F. Hyde, bicycle manufacturer, is preparing to double the capacity of his plant.

San Francisco, Cal. — The Golden Gate Bicycle Mfg. Co., No. 550 Mission Street, contemplate the enlargement of their factory.

Toledo, Ohio.—The Snell Cycle Fittings Co., have commenced the erection of two large additions to their plant, and will increase their working force, from 400 skilled mechanics to 750.

Williamsport, Pa.—Tivy Cycle Mfg. Co., have recently fitted up their factory with improved machinery. They are manufacturing a high grade wheel.

Miscellaneous.

Allentown, Pa.—The Allentown Board of Trade has opened negotiations, with a view of establishing a large bicycle factory.

Hagerstown, Md. — M. L. Main, bicycle manufacturer, offering bicycle factory for sale or lease. Plans now in operation.

Middletown, Conn.—President Duskin, of the local Board of Trade, is negotiating, looking to the establishment of a bicycle factory, employing between 400 and 500 operatives. A successful outcome of the matter seems to rest upon the abatement of of taxes for a term of years, which is said to be all the parties ask.

Providence, R. I.—Diamond Machine Co. manufacturers of special bicycle machinery, report constantly increasing demand for bicycle machinery.

Rochester, N. Y. — The Punnett Cycle Mfg. Co. has filed a certificate for the increase of its capital stock, from $5000 to $25,000.

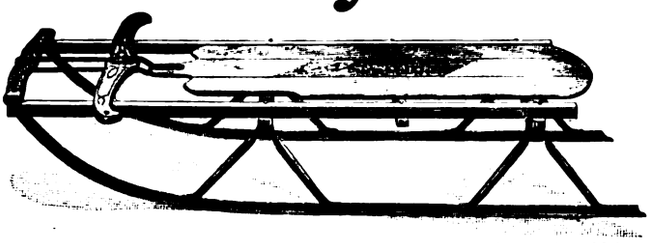
Rochester, N. Y.—The Rochester Cycle Mfg. Co. held annual meeting, and elected W. W. Kenfield, A. Benjamin, F. M. Thushen W. G. Benjamin, and J. Heath, directors.

Recent Fires.

Taxton, Ill,—Mat. Odell, bicycle repairing, store burned, covered by insurance.

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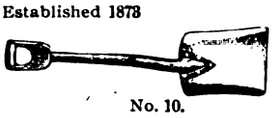
"Flexible Flyer" Sleds.



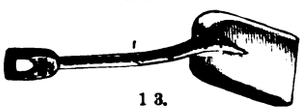
SLEDS have been made the same style for many, many years. About the same shape too, and length, width and height. About the same speed and safety. But now in the very last decade of the Nineteenth Century the "FEXIBLE FLYER" comes along, and the world to-day has a Sled lighter, stronger, handsomer, speedier than ever before, and one that can be steered by a touch of the hand. It avoids dangers, saves shoe leather, pleases the boys and the girls and the grown folks. Its ease of management and its many fine qualities are little short of marvellous. Easy to sell as soon as known. The dealer who first handles them adds to his profits, to his satisfaction, and to his reputation.

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Established 1873



No. 10.



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MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.

Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

Office, WYOMING, PA. Works.

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17 to 23 Pounds



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THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.

Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.

MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE.

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313-315 B'way, New York.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of # WIRE **in great variety.**

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MINERS AND SHIPPERS OF

ROOFING SLATE.

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SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

Making Money

Selling bicycles depends upon the repairs.

The ***less repairs,*** the ***more profit*** to the hardware dealer.

The Sterling

(Built like a watch.)

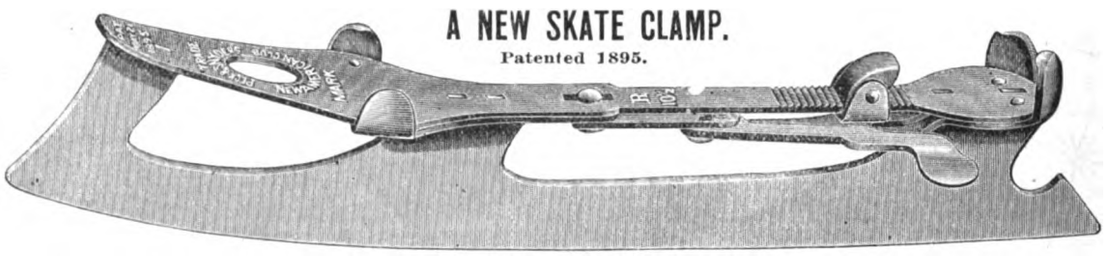
is the ***only*** wheel that never needs repairs.

Send for Catalogue.

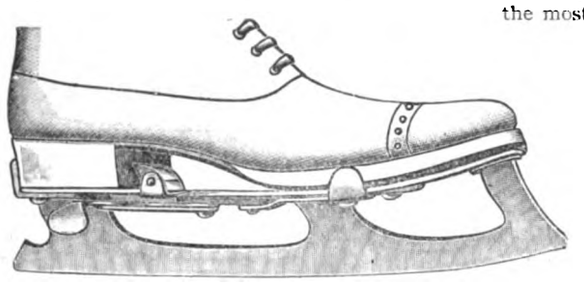
STERLING CYCLE WORKS,
236-240 Carroll Ave.,
CHICAGO.

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PECK & SNYDER'S NEW AMERICAN CLUB SKATE.



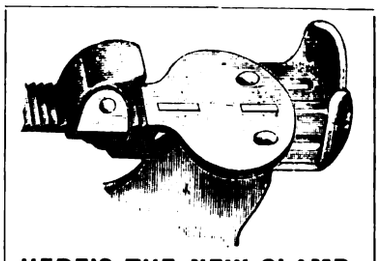
Peck & Snyder's NEW AMERICAN CLUB SKATE for 1895 has revolutionized the art of skate making. New American Club represents an entirely new heel clamp that will fit any heel instantaneously. The old method of clamping to the heel is entirely done away with. It cannot slip, is stronger, acts instantaneously, no screwing or adjusting necessary, saves time, and is without question the most perfect heel clamp ever invented.



MADE IN FIVE GRADES.

Peck & Snyder's New American Club Skate is the most perfect skate ever constructed. It has simplicity of adjustment, solid foot plates, solid heel clamps, and will fit any heel.

The Clasps Cannot Slip. Sure Grip. Thumb Screws and Sets entirely disregarded. It is Light, Handsome, and Twice as Strong as the old club skate.



HERE'S THE NEW CLAMP.

Ask your jobber to show you samples of the **"New American Club."** If he doesn't carry them, send direct to us for samples and prices. Handsomely illustrated catalogue of this skate mailed on application. Address

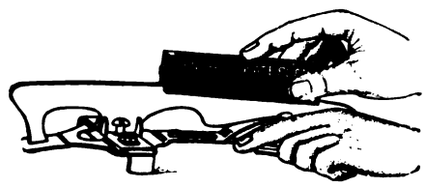
A. G. SPALDING & BROS.,

Successors to PECK & SNYDER.

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CHICAGO, 147-149 Wabash Ave.
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Factory, Chicopee Falls, Mass.

LYNCH'S SKATE PLANE.



Every man, woman and child can now sharpen their own skates. The Lynch Skate Plane, for concave or square runners, is the best skate sharpener ever manufactured. Any one can use it. It will last for years, is perfect in every way, and fully guaranteed.

Retail Price, 25 cents. Weight, 4 oz.

"U. S." Club Skates

For Season of 1895 and 1896.

Manufactured by

P. LOWENTRAUT.

"U. S." LADIES' CLUB SKATE.

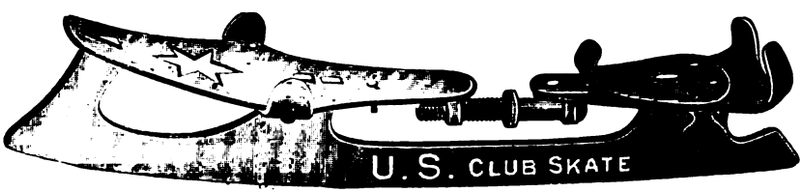


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OUR CATALOGUE is now ready and will be mailed on application. . . . . .

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THE -:- PARKER -:- GUN.



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TWO FAVORITES.

The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-.65 Remington, and .38-.55 Marlin and Ballard. Made to order only.



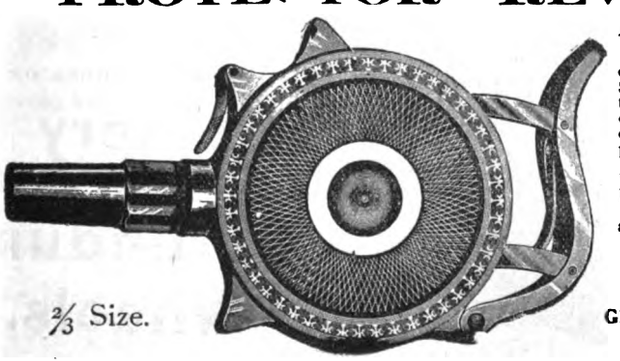
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Ten Styles.

Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

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⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

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I am now making four sizes and prices of Faucet Filters instead of three.

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BEST AND CHEAPEST
STONE WATER FILTER
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Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

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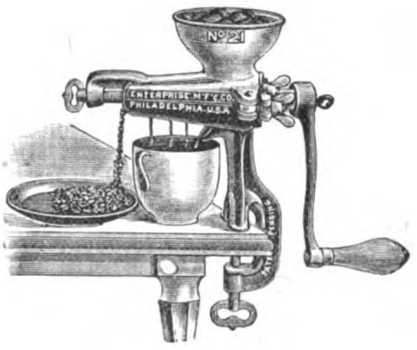


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No. 21, Price, $2.50.

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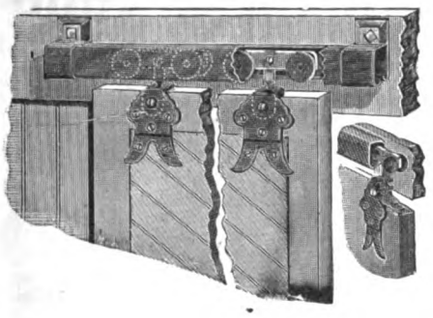
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The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

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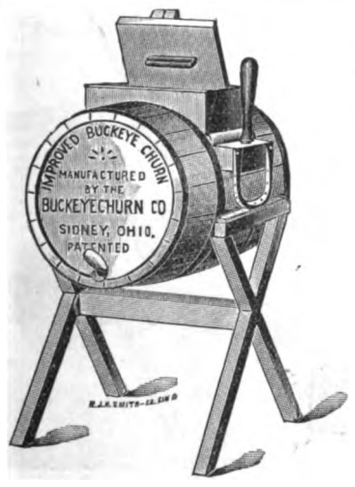




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is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

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THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

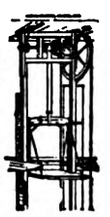
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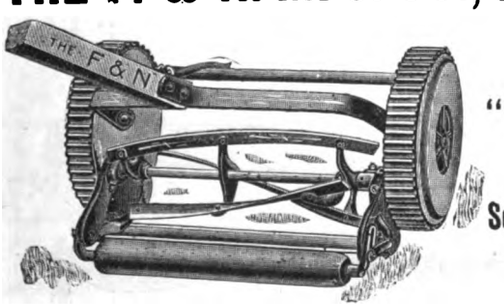
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"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

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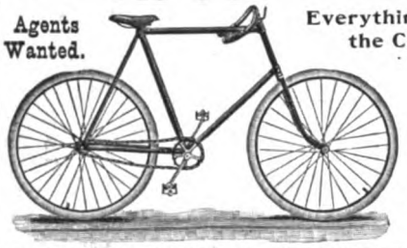
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is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

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Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant. Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " "	50.00
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Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

WE ARE AGENTS FOR

WM. JESSOP & SONS' Cast Steel.
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SAMUEL WINSLOW SKATE MFG. CO.'S Ice Skates.

WRITE US FOR PRICES.

THE W. BINGHAM CO.,
146, 148 & 150 Water St., 97 & 99 Superior St. Cleveland, Ohio.

F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
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Scovill Manufacturing Company,

(Established A. D. 1802.)
WATERBURY, CONN.
DEPOTS:
423 Broome St., New York. 210 Lake St., Chicago.
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MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

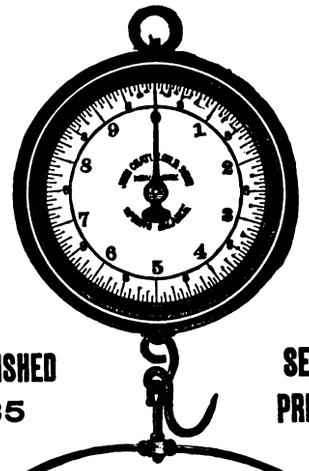
☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN
Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*

John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



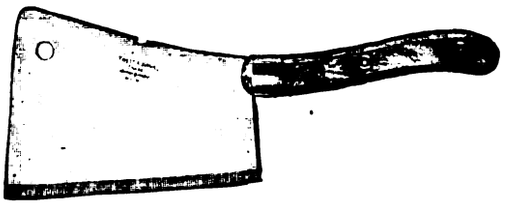
ESTABLISHED 1835

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MANUFACTURERS OF

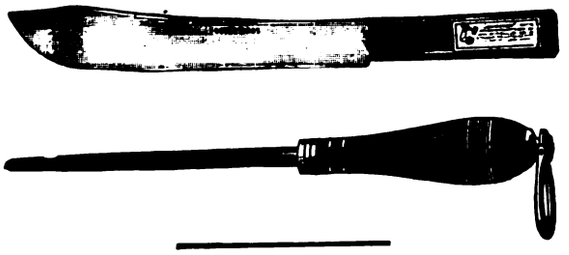
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—AND—
BUTCHER TOOLS.

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Foster Bros.'

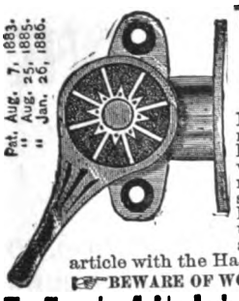
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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.



The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

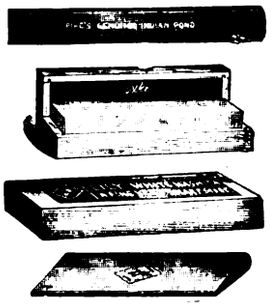
50 STATE STREET, CHICAGO, ILL.

E. J. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
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RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.



Corn Husking Goods.

THE LARGEST LINE,
BEST STYLES.

ASK THY JOBBER FOR
BLAIRS.



BLAIR HUSKING GLOVE CO., Bucyrus, Ohio.

PIECED TIN WARE.

Not the Cheap John kind,

But Good Honest Tin Ware,

Made of Charcoal Tin

On Modern Improved Machinery.

Each Piece Guaranteed Against Leakage

And to give Good Satisfaction.

Is made by the

GEUDER & PAESCHKE MFG. CO.,

St. Paul Ave. & 15th St.,

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THE CENTRAL NATIONAL BANK

OF THE CITY OF NEW YORK.

UNITED STATES DEPOSITARY.

Capital Stock, - - - - - - - $2,000,000.00
Surplus Fund and Profits, - - - - - - $581,853.09

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BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
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Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

Howard Iron Works,

BUFFALO. N. Y.

Manufacturers of

Bench Vises.

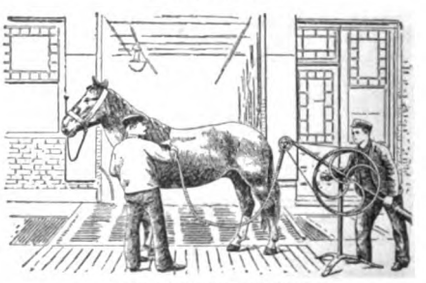
Price Lists sent on application.

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"PRIZE WINNER" HORSE CLIPPERS.

Hand, Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.

The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST and most DURABLE MACHINE made.

The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE

FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

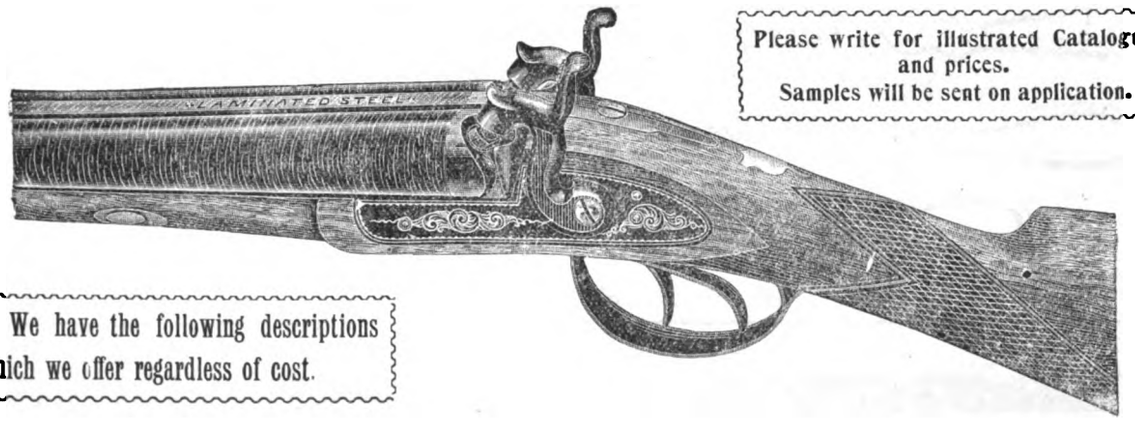
Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade. Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Gillette Clipping Machine Co.,

201 East 23d St., New York

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Double Barrel Muzzle Loading Guns.



Please write for illustrated Catalogue and prices.
Samples will be sent on application.

We have the following descriptions which we offer regardless of cost.

No. 200.—Blued Barrels, back action locks, plain varnished stock, iron butt, bright locks and mountings.

No. 200 Bar.—Same as No. 200, but has **Bar Locks.**

No. 18.—Polished Blued Steel Barrels, bright, patent breech back-action locks, checkered grip, iron butt, walnut stock, bright locks and mountings, German silver escutcheons.

No. 1022 Bar.—Bernard Barrels, two gilt bands around breech, nickeled patent breech, bar locks, pistol grip iron butt, German silver escutcheons, walnut stock, blued mountings, case-hardened locks, mullered pipes.

No. 1022 BA.— Same as above, except with BACK-ACTION locks.

No. 101.—Twist Barrels, patent breech, bar locks, round body hammers, German silver escutcheons, checkered grip, iron butt, walnut stock, blued mountings, case-hardened locks.

No. 101 PG.—Same as No. 101, only with PISTOL GRIP.

No. 88.—Twist Barrels, nickeled patent breech, two gilt bands around breech, bar locks, engraved and nickeled, round body hammers, German silver escutcheons, checkered fore-end, checkered pistol grip, iron butt, nickeled mountings, walnut stock.

Single Barrel.

No. 79.—Blued Barrels, back-action lock, iron butt, varnished stock, bright mountings.

No. 79 Twist.—Same as No 79, but has twist barrels and pistol grip.

No. 900.—Boy's Imitation Twist Barrel, bar lock, iron butt, painted stock, blued mountings.

No. 800.—Men's Imitation Twist Barrel, back-action lock, iron butt, painted stock, blued mountings.

ALFRED FIELD & CO., 93 Chambers Street, New York.

At Last We've Got "'Em," SHARPENERS THAT SHARPEN!

Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't** buy till you see the "Diamond."

The "Diamond" Skate Sharpener.

The only Sharpener on the market **that will do a clean, smooth job.** **HARDWARE DEALERS** sell one with **every pair of skates,** and hundreds to **people who already own skates.**

For sale by nearly all first-class jobbers, or will be shipped direct from our factory.



SAMPLE BY MAIL, 25 CTS.

SOMETHING ENTIRELY NEW!

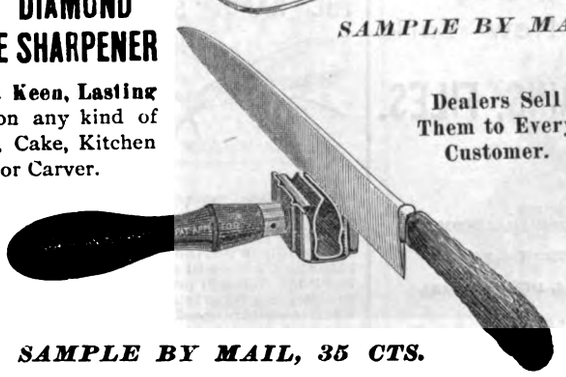
Every Boy Sharpens his own Skates.

See that Pivot

Fits the Curve of any Skate.

The "DIAMOND" KNIFE SHARPENER

Puts a **Keen, Lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.



SAMPLE BY MAIL, 35 CTS.

Dealers Sell Them to Every Customer.

All of these Articles are elegantly nickel-plated and packed one doz. in a box.

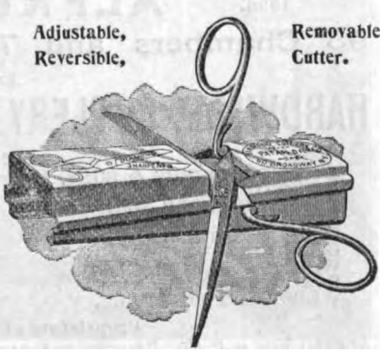
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Diamond Cutlery Co.
58 BROADWAY,
NEW YORK CITY.

THE "DIAMOND" SHEARS and SCISSORS SHARPENER.

Best device for the purpose ever manufactured.

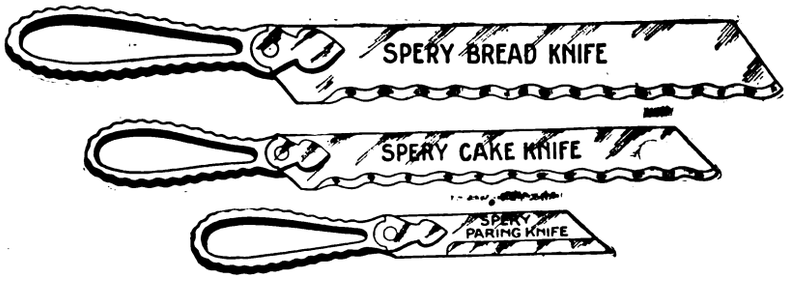
Adjustable, Reversible, Removable Cutter.



Sample by Mail, 25 Cts.

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SPERY CUTLERY MFG. CO., - St. Louis, Mo.



We carry a full stock of everything we make.

New and Improved Novelties.

Send for Price List, etc.

The Largest line of Serrated Bread Knives made.

"IT'S A CLEAN CUTTER."

The Best Prices and all goods Warranted.

New York Office, 64 Reade Street, DAVID EASTMAN, Manager.



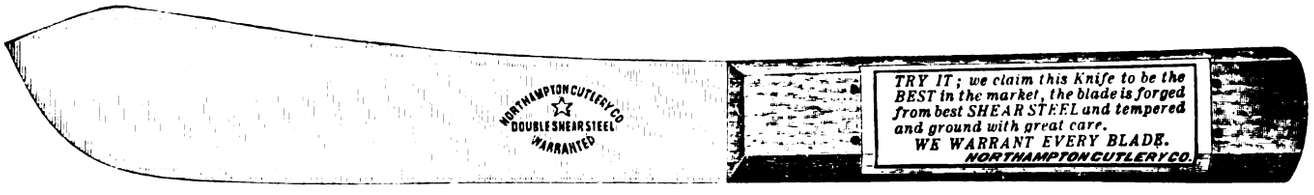
PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom. 96-98 Reade Street.

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JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

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Established 1836.

ALFRED FIELD & CO.,

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Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

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JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

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ARE YOUR SCISSORS DULL?

THE "HANDY" SCISSORS SHARPENER

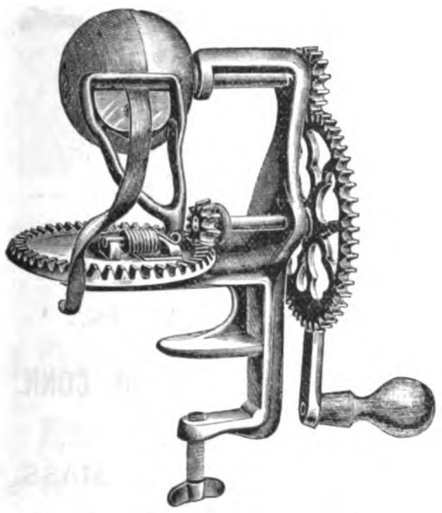


Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. **Will save its cost ten minutes after entering any household.** The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. **Sent by mail on receipt of 25c.**

EASTMAN & CO., 64 Reade St., New York

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Apple Parers.

We have had 25 years experience in making Apple Parers and think we know how.

We make a larger variety and more than any other firm in the world. We make a specialty of Apple Parers for Evaporators, Bakers, etc., to pare, pare and core, or pare, core and slice, both hand and power.

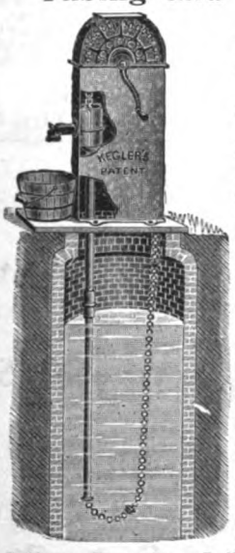
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GOODELL COMPANY, ANTRIM, N. H.

Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT
Galvanized Iron
Tubing and Curb



No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.

More Durability. Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue.

Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.

READING Hardware Company.

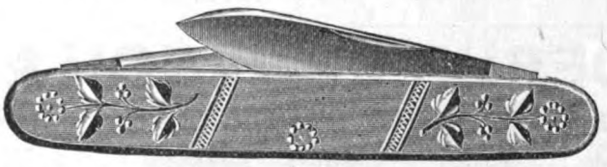
TEA SCALES,
FAMILY SCALES,
GROCERS' SCALES.
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Our scales have a national reputation for accuracy and finish.

NEW YORK. PHILADELPHIA. CHICAGO.
FACTORIES AND MAIN OFFICE, READING, PA.

Finest Quality Pocket Cutlery

Highest awards at all principal Worlds' Fairs.



Finest Aluminum Handles in excellent variety, handsomely finished, and beautifully engraved.

WRITE FOR SPECIAL PRICE LIST.

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Northfield Knife Co.,
NORTHFIELD, CONN.

MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



MYERS' FORCE AND LIFT PUMPS

GREATEST IMPROVEMENT OF THE AGE.

Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

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CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &C.

"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere

BUCK CAST BROS. STEEL
BUCK BROTHERS

Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.



BUCK'S HEAD.

A GREAT LEADER for you is
WORTHLY'S PATENT
"SLOW FEED,"
$1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

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Our Latest is the Ormonde



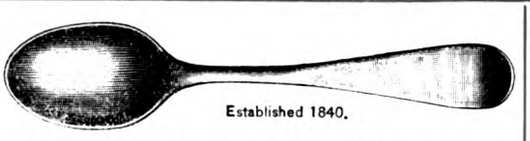
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WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

No. 21. NICKEL SILVER SPOONS . . AND . . FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "HE Nickel Silver, No. 21."

MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

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SICKELS, SWEET & LYON,

Wholesale Hardware and Farming Tools.

Office, 35 Barclay Street. *Warehouse, 40 Park Place, New York.*

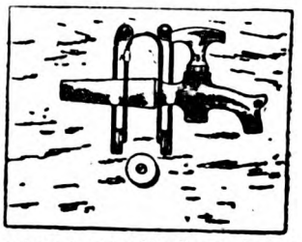
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WINSLOW SKATES, Union Steel Screw Co., Eagle File Co.

Farming Tools sold for New York or factory shipments.
Fall Catalogue No. 10 issued in September.

Also SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.

Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them.
Send five cents in stamps to the manufacturers for a sample.

MASSEY & THOMPSON,
Monroe City, Mo.



House . . . . . Goods Supplies.

ESTABLISHED 1867

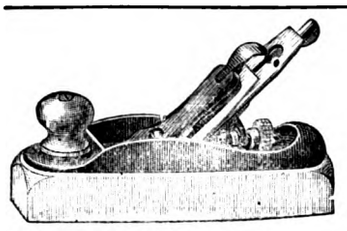
Partrick & Carter Co.
Electrical Supplies
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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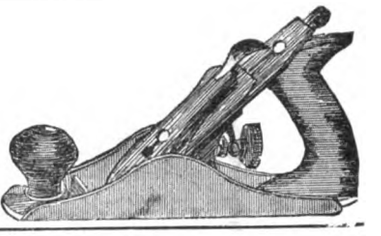


THE SAMUEL I. GOODALL CO.,

MANUFACTURERS OF

Bailey Pattern Planes, Try Squares Bevels, Etc.

Philade'phia, Pa., U. S. A.



Marten Doscher.

DEPOT,

88 Chambers St., New York.

EDGE TOOLS,

G. W. Bradley's,

Horton's,

L. H. Watt's.

BENCH PLANES, &c.

Turned Work Handles, Mallets, &c.

ESTABLISHED, 1835. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

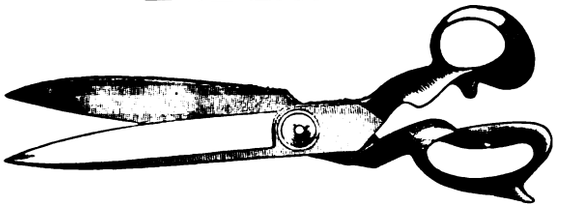
CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



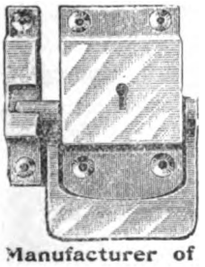
They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

The Conroy patented New Automa ic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easil with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made of finish or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY

P. J. CONROY,

PHILADELPHIA PA.

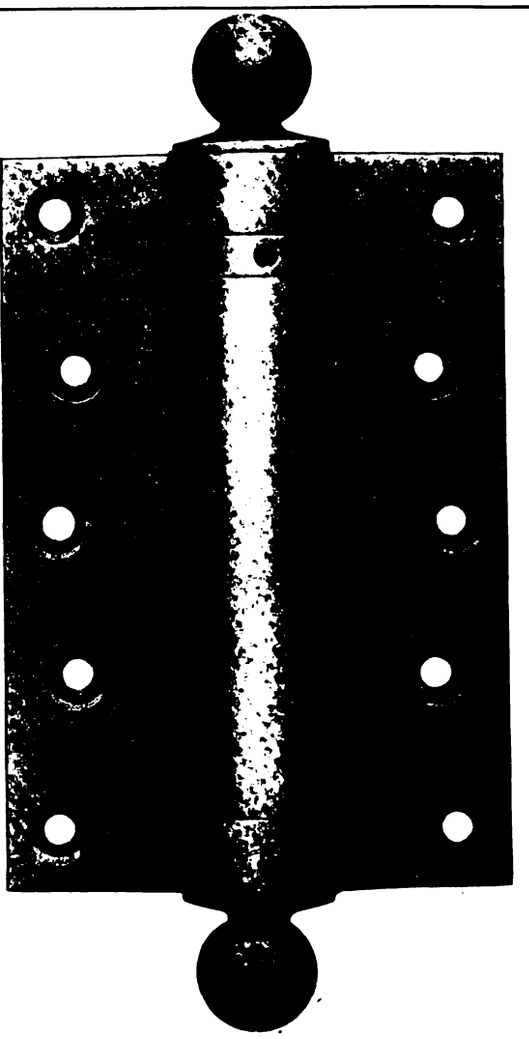
Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

The Staff of Business.

☞ BREAD IS THE STAFF OF HU-

☞ MAN LIFE AND ADVERTISING

☞ IS THE STAFF OF BUSINESS.



NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 82 Chambers St. Boston, 200 Franklin St.

Chicago, 544 Unity Building.

Baltimore, 25 Hanover St., (Henry Keidel & Co.)

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Just What Every Manufacturer Wants!

The Reference Book

OF THE

Hardware and Kindred Trades of the United States and Canada.

THE Book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

Hardware Dealers.
Dealers in Sporting Goods, Bicycles, Firearms, &c.
Agricultural Implement Dealers.
Stove Dealers.

Sent (Postpaid) on Receipt of

TWO DOLLARS.

CERTAIN marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, Stove dealers in another, etc. In most cases, in the Hardware list, are specified the special kind of Hardware handled, as Shelf Hardware, Cutlery, etc.

SEND ORDERS TO

HARDWARE PUBLISHING CO.,

143 CHAMBERS STREET,

NEW YORK.

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TO JOBBERS AND RETAILERS.

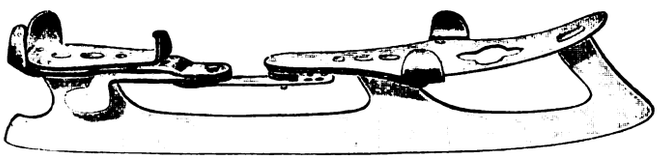
We are in the market with a new patented Skate, and it is the only skate made in the world that is **up to date.**

We offer a new and full line of Ice Skates of unequalled quality.

The most valuable new feature of our Skates is the Method of Adjustment, which is superior to any other known, because

1st. It is stronger.
2nd. It is very much ligther.
3rd. It will not slip.
4th. Its neat appearance is very marked.
5th. It can be more quickly and easily adjusted and handled in retail stores.

THE SCREW ADJUSTMENT IS A "BACK NUMBER."



We desire to call special attention to

WINSLOW'S THREE-PLY WELDED IRON AND STEEL RUNNER STOCK

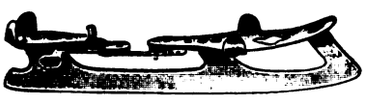
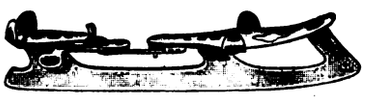
From which we make our highest grade of Skates, which have no equal in the market.

This stock is made and hardened by a special process, and we can furnish

A BONA FIDE SELF-SHARPENING SKATE RUNNER.

For details kindly send for our 1895 Skate Catalogue.

THE SAMUEL WINSLOW SKATE MFG. CO., Worcester, Mass.

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The Yale & Towne Mfg. Co.,

Branford Lock Works Department.

WROUGHT HARDWARE

Plain and Ornamental, in Bronze and Steel, in every color and finish.

CAST HARDWARE

In vast variety of Ornamentations, of best quality and in all popular finishes.

BRANFORD LOCKS

For all buildings where the requirement for high Security is not such as to warrant the finer **YALE LOCKS,** but where good quality combined with moderate cost is desired.

SALESROOMS:

NEW YORK. PHILADELPHIA, BOSTON,
CHICAGO, BUFFALO, SAN FRANCISCO.

WORKS: Stamford, Conn. Branford, Conn.

GENERAL OFFICES: 280 Broadway, New York

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A thoroughly competent shipping clerk to take charge of shipping department in New York Office of Manufacturer of Builders' Hardware. A man who has a thorough knowledge of Builders' Hardware and is capable of managing help. Address, stating age, references and salary expected. "ENERGY," care HARDWARE, No. 143 Chambers Street, New York.

BY a prominent Hardware house, a first-class clerk who understands the builders' department, competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B. Fox & Bro., No. 97 Chambers Street, New York City.

WANTED—Hardware salesman who has had experience in builders' Hardware and cutlery. Address Charles E. Adams, Lowell, Mass.

WANTED—A first-class builders' Hardware salesman, familiar with fine Hardware and plans; give particulars with salary expected. Address Boston, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man. Address Geo. Rome & Co., Carnegie, Pa.

FIRST-CLASS Hardware and tool salesman, in retail store in Philadelphia. Reference and security required. S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty-ninth Street, New York.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as buyer of mill supplies and assistant manager of help with a manufacturer, by an American, 38, with sixteen years' practical experience. A1 references. Address "Buyer," care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, 30 years old, twelve years' experience as salesman, desires a position in the Hardware, cutlery and sporting goods lines; well-known to the New York and Eastern buyers; good testimonials. Address L. E., care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "SALESMAN," HARDWARE, No. 143 Chambers Street, New York.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer. Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N. Y.

ENGLISHMAN (27) requires situation as traveler—commission or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

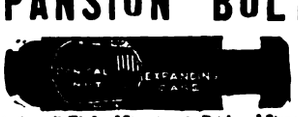
YOUNG man, 27, desires position as Bookkeeper, correspondent, collector or salesman. Good references. Address J. C. H., P. O. Box 307, Newark, N. J.

WANTED—A position as retail Hardware clerk by a young man of 24 years of age, with five years' experience and best of references. A position in Southwest Missouri, Texas or the South West preferred. Address W. Lasar, No. 3004 Olive Street, St. Louis, Mo.

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 Lafayette Avenue, Brooklyn, N. Y.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr. **ISAAC CHURCH,**

Send for Catalogue. **Toledo, O**

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Situations Wanted.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' exp rience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

WANTED a position as traveler for Hardware Specialties, by a man of ability and experience; salary or commission. Address E. W., No. 1810 N. 13th Street, Philadelphia.

POSITION as traveling salesman. Pittsburg and West Pennsylvania, for Wire, Tin-Plate, Cast or Wrought Iron Pipe. Best of reference and long experience. Address Ernest C. Beatty, Box 897, Pittsburg, Pa.

A YOUNG Englishman (23) desires position in Hardware or cutlery, eight years' experience; 2½ London. Splendid references Wholesale or retail. James R. Bayley, No. 97 Varick Street, New York.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods. Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as clerk or salesman. Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No. 143 Chambers Street, New York.

YOUNG business man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

Side Line Wanted.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

Side Line Offered.

WANTED—Salesman to handle as a side line, a first-class line of pocket cutlery and scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address L. M. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED salesman to handle as a side line a first class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co , Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches. Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L., Room 1, No. 221 Fifth Avenue, Chicago, Ill.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Agencies for Hardware Specialties Wanted.

AN old-established firm of advertising agents and contractors in the city of London, England, doing business with the leading advertisers of the United Kingdom, are open to accept sole agencies for the United Kingdom for embossed steel or enamelled iron goods, which are suitable for large advertisers, or any novelty in the advertising line for inside or outdoor exhibition. Apply by letter to C. A. H., Room 25, Times Building, New York.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No. 143 Chambers Street, New York.

Export Agency Wanted.

GENTLEMAN of wide experience and undoubted integrity will shortly remove to Germany, and desires to represent American manufacturers abroad. Propositions may be addressed to "Export," care W. H. H. Hull & Co., Tribune Building, New York.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

For Sale.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

For Sale or Rent.

A NEW, large manufacturing plant, hitherto used in manufacturing reapers and mowers, but well adapted to other uses; thoroughly equipped wtth machinery, tools and appliances of best modern make, all ready to steam up and run; at St. Louis Park, just outside of Minneapolis, Minn., with street car connections; the property being situated alongside of the Minneapolis & St. Louis, and Chicago, Milwaukee & St. Paul railroads with switch connections. For particulars address Geo. C. Squires, St. Paul, Minn.; C. F. Forster, 638 Rookery, Chicago, Ill., or John Little, Xenia, Ohio.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Addrees H. E. Colwell, agent; or E. Lambden, Jr., owner'

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

Perhaps You Know All About It!

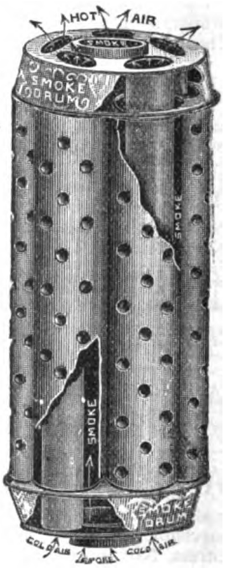


THE NEW ERA RADIATOR.—Its construction is very simple, but as a heat giver and a saver of fuel it surpasses all others.

Prices also are lower this year. Full particulars may be had by addressing

WILMOT CASTLE & CO.,

83 Elm Street, Rochester, N. Y.





NO MORE GARBAGE CANS

to poison the air and become a nuisance. All the kitchen refuse turned into fuel for the morning fire quickly, cleanly and easily by the

HOUSEHOLD GARBAGE CARBONIZER.

A practical, simple, efficient sanitary and inexpensive device, that converts the garbage into charcoal without offence or trouble, and with no interference with the stove or the draft.

Endorsed by Sanitary Authorities.
Recommended by Health Officials.
Adapted to any style of Stove or Range, and for any Family or Building.

SEND FOR CATALOGUE.

W. F. MORSE & CO.,

58 Pine Street, NEW YORK.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.



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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's....45%
Ajax....40%
Cooper's....20%

Ammunition—

CAPS, PERCUSSION—per 1000—
U. M. C. Co. and Hicks, trimmed edge....83 @ 85c
U. M. C. Co. and Hicks ground edge....45 @ 47c
Musket....50 @ 53c
G. D....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges....50&5&2%
Rim Fire Military....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal....$1.75 2%
Blank Cartridges, 32 cal....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00....2%
B. L. Caps (for Sturtevant Shells) $ 1.00....2%
All other Primers....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax....65&2%

SHELLS LOADED—
Standard List July 19, 1890, 40&10& 10@40&10&10&10 5%

GUN WADS—per 1000—
B.E., 11 up.60c..B.E., 9&10...70c } 25
B.E., 8....80c..B.E., 7....80c.. } 20&2%
P.E., 11 up.1.00..P.E., 9&10..$1.25 } 25
P.E., 8....1.50..P.E., 7....1.50 } 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags, per bag....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, per bag....$ .30
Drop Shot, B and larger sizes, 25-lb bags, per bag....$1.55
Drop Shot, B and larger sizes, 5-lb bags, per bag....$ .35
Buck and Chilled Shot, 25-lb bags, per bag....$1.75
Buck and Chilled Shot, 5-lb bags, per bag....$ .35
Dust Shot, 25-lb bags, per bag....$2.00
Dust Shot, 5-lb bags, per bag....$ .50

POWDER—
Laflin & Rand:

Rifle extra, kegs....25 lb		$3.25
	12½ lb	1.90
	6¼ lb	1.10
Rifle special, kegs....25 lb		4.25
	12½ lb	2.40
	6¼ lb	1.35
Creedmoor, kegs....6¼ lb		1.10
Ducking, kegs....6¼ lb		3.00

[For 1 lb lots 10% discount.]

Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb....2.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb....1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb....1.65
"V. G. P." for Trap Shooting, in Kegs 25 lb....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb....1.35
Meal'd Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb....1 50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black....$ .85
Canister, equal in bulk to 2 lb, best black....1.70
Drum, equal in bulk to 10 lb, best black....8.25
Drum, equal in bulk to 50 lb, best black....41.00
Drum, equal in bulk to 100 lb, best black....82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp' Success....per doz $3 80
Galen Safe....per doz. $3.75
Hartman's Pivot....per doz. $4.75

Anvils—

Eagle Anvils, per lb 9c....15@15&5%
Peter Wright's....1 @10½c
Armitage's Mouse Hole....8¾@9½c
Trenton....9 @9c
American "Horse-Shoe"..9¾@.0½c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise....25%
Others....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$3 50	$3 50	$3 50	$3 75	$3 75
8-16	9-16	10-16	11-16	12-16
$4.00	$4 25	$4.50	$5.00	$5.50
1-16	14-16	15-16	16-16	17-16
$6 00	$6. 0	$7.50	$8.00	$9 00
18- 6	20-.6	22-16		24-16
$10 00	$ 1.00	$13.00		$14.00

Cook's Circular Lip....60%
Cook's N. H. Copper Co....60%
Ives Circular Lip....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip....40%
No. 10 Extension Lip pattern car bit....40%
Lewis' Patent Single Twist....45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...5 @50&10%
Pugh's Black....20%
Snell's Bits....60&10&10@70%
Forstner Pat. Auger Bits....25%
Irwin Pat. Auger Bits....33%
Cincinnati Tool Co.:
Bell hangers' bit....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug....25&10&10%

HOLLOW AUGERS—
Ives....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'....33⅓@33⅓&10%
Benney's Adjustable....doz. $21.40
Millers Falls, Goodell....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co....33⅓&5
Clark's small, $18.00....40@40&5%
Ives' No. 4, per doz. $60....40@40&10%
Swan's....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48....20%
Ives' Expansive, each $4.50....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive....20&10&10%

GIMLET BITS—
Diamond per doz. $1.25....45&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, per gro. $10. 40&10%
Double Cut, Douglass'...40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard....50&10&5@60&10%
Cleveland....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal 50&10&5@6 &10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'....4 @0&5%
Snell's....15&10&10%

Awls—

Sewing, Common....60%
Should. Peg per gr....$1.50@$1.55
Pat. Peg per gr....35@38c
Dunlap's Brad....25%
Dunlap's Handled....25%
Shouldered Brad. per gr...$1.30 @$1 40
Handled Brad, per gr....$2.50@$3 00
H'ld Scratch per gr....$1.00 @$1.50
Socket Scratch per doz....$1.1 @$1.20

Awl and Tool Sets—

Ice Awls....55%
Aiken's Awls and Tools:
No. 10 per doz. $7.50; No. 20, per doz. $10....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5 $7....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging....50&10%
Handled Brad....30%

Axes—

First quality, best brands, $5.25@5.50
First quality, other " $4.75@5.00
Beveled add 50c per doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad....50%
Shingling....40&7½%
Lathing....40&7½%
Warehouse....40&7½%
Collins....10%

Balances—

Straight Spring balances..5 @5%60%
Common 24 lb....per doz. net.
Circular Spring Balances....50&10% No. 2000 20 30
Chatillon's per doz. 7 in 83c $1.65 net
Chatillon's Spring Bal....50%
Chatillon's Cir. Sp'g Bal....6%
Ice....50&10%

Beef Shavers—

Enterprise....25%

Bells—

HAND—
Light Brass....70& 10@70&10&5%
Extra Heavy Brass....70%
White Metal....70%
Silver Chime....33⅓& 10%
Globe (Cone's Patent)....25&10@25%

DOOR—
Multi-Stroke....56%
Gong, Adon's....4 @5 &10%
Gong, Yankee....55 & 10%
Gong, Barton's....40&10@50%
Crank, Brooks'....55 & 10 2%
Crank, Cone's....10%
Crank, Connell's....20&10%
Lever, R. & E. M. Co.'s....6 %
Pull, Brooks'....60&10&2%
New Departure....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount....33⅓&5

COW—
Common Wrought.60&10@6 &10&10%
Western....20&10%
Western, Sargent's list....60⅔ &10%
Kentucky, "Star"....&10%
Kentucky, Sargent's List...6 ⅔ &10%
Kentucky, Durham....66⅔ &10%
Dodge, Genuine Kentucky 70@ &10%
Texas Star....50&10@60%

Belting, Rubber—

Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston"....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para....40&10%
Reliable....50&10%
Staple....60&10%
Cleveland Rubber Co.:
War. 2 XL....40%
Shield High Grade....50&10%
Buckeye....&10%
Common Standard.70&10@75&10&5%
Standard....70&10@75%
Extra....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00....40&20%
Seymour Smith & Sons..per doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's....per doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 per doz....37½%
Millers Falls per doz. $4.50....25%

Bit Holders—

Extension:
Millers Falls Barber's, per doz. $15 40@4 &10%
Ives' per doz. $20.00....60&5@60&10%

Blind Adjusters—

Domestic..per doz. $8..33⅓@37½&10%
Excelsior..per doz. $10.00....50&10&2%
Zimmerman's....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls per set $1 00....20%
Austin & Eddy per gro. sets....$5.00
Gorhams Improved Star Tenon per gro. $1.00....25%
Mackerell's, per doz. $1 00 .20@20&10%
Merriman's Brass Lever per gr. $15.00
Merriman's Iron Lever per gr...$9.00
Security Gravity per gr....$9 00
Van Sand's....55&10%
Washburn's Plate per gr....$9 00
Zimmerman's....50&10@50&10&5%

Blocks—

Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron....60%
Moore's Anti-Friction Differential Pulley....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10&5%
Cast Iron Shutter Bolts..75& 10@75&10&5%
Cast Iron Chain (Sargent's list). 65& 10@65&10&5%
Ives' Patent Door Bolts...10& 10& 5@ 60&10& 0%
Wrought Barrel....75&10@80%
Wrought Square....75@75&10%
Norwich Lock Mfg. Co. list....80%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob, " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60&10&10%
Wr't Sunk Flush, Stanley's list..5 %
Wr't B. K. Flush, Corbin, Stanley's list....60&10@60&10&10%
Window Spring....75%
Window Spring Bolt Socket....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan 30, '95....65& 12½&
Genuine Eagle, list Oct. '94....80&10@ 80&10%
Phila., Eagle, list $2 40....80%
R. B. & W., old list....70&10&3%
Machine list Jan. 30, '95....70&5%
Bolt Ends, list Jan. 30, '95....75&5%

TIRE—
Common, list July 1, '95....70&10%
American Screw Co:
Norway, Pa., list July 1, 95....75%
Eagle Phila., list July 1, 95....8%
Bay State, list July 1, '95....70%
R. R. & W., list Oct. 16, '94....80%

STOVE AND PLOW—
Stove....70%
Plow....0&10&10@70%
R. B. & W., Plow....65%

MISCELLANEOUS—
Sleigh Shoe....50%
Sink....70%

Bone Mills—

Enterprise....20%

Boring Machines—

Without Augers.	Upright.	Angular.	
Douglass'.....	$5.50	$6.75.....	50%
Snell's, Rice's Pat.	5.50	6.75..40&	10&10%
Jennings'.....	5.50	6.75, 5%@	10&5%
Other Machines....	2.25	2.50.....net	
Phillips' Patent with Augers.....	7.00	7.50	
Millers Falls.....		7.50	20%

Bow Pins—

Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60 &10@ 60&10 & 0%
Peck, Stow & W. Co. 60&10@60&10&10%

Braces—

Barber's....60&10%
Barker's....75&10&5%
Barker's plated....70&10%
Spofford's....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet....60&5@60&10%
Barber....60&5%
Spofford....60&5@60&10%
Common Ball American.$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30....60%
Nos. 117, 118, 119....70&10&7½%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls....25%

Brackets—

Shelf, Bradley's Patent....75%
Shelf, Plain, Sargent's list....60&10%
Shelf, Francis Kell & Son....40%
Moore's....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner....70&10%
Door Screen....70&10%
Reading, plain....60&10%
Reading, Rosette....70&5%
Hand Rail....60&10%

Bright Wire Goods—

Standard list....90@90&10%

Bull Rings—

Union Nut Co....55%
Sargent's....80@80&10%

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Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.30@30&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—
Enterprise.....25%

Butter and Cheese Tryers—
Ordinary.....25%

Butt Gauges—
Stanley's.....30&10%

Butts—
BRASS—
Wrought Brass.....30&10@30&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow, 50@10&5@60&5
Fast Joint, Broad 50&10@50&10&10
Loose Joint.....70&10@75&5%
Loose Joint, Japanned....75&10@70%
Loose Joint, Jap. with Acorns, 75&10@8 %
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@75&5%
Loose Pin, Acorns, Jap.70&10@75&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....5&10@80%
WROUGHT STEEL—
List, April 1, 1886.
Narrow, No. 8 0.....
Narrow, Loose Joint, No 802.....
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816.....
Pew Door, No. 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 82.....
Extra Light, No. 826.....
Light Reversible, No. 834.....
Light Loose Joint, No 836.....
Wardrobe, Ger. Pat. No. 837⅓.....
Light Narrow, No 838.....
Loose Pin, Light Nar., No. 840.....
Light Inside Blind, No 842.....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845.....
Light Inside Blind Edge Hol's, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 833.....
75&5@75&10%

Can Openers—
Messenger's Comet..⅌ doz $3.00, 25%
American.....⅌ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ⅌ gr. $12.00....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 2 $1.75.25%
No. 3, Iron Handle.⅌ gr....$2 20@2 25
Eureka.....⅌ doz. $2.50.....10%
Sardine Scissors...⅌ doz. $2.75@3.00
Dunlap's Sardine Scissors, ⅌ doz. $5.00....25%
Star.....⅌ doz. $2.75
New Sprague, Metallic Handles, ⅌ doz.....50c
New Sprague, Wood Handles, ⅌ doz.....60c
World's Best, ⅌ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ⅌ gr $9.00
Goodell's Acme, ⅌ gr. $3.00; ⅌ doz.75c
Universal, ⅌ doz. $3.00.....55&5%
Domestic, ⅌ doz. $3.00.....45%
Champion, ⅌ doz. $3.00.....50%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ⅌ gro $7.00.....50%
Kohler's Cyclone.....⅌ doz. 75c
Kohler's Lightning.....⅌ doz. 90c
Moore's.....75%

Cards—
Horse and Curry.....20@35%
Cotton.....⅌ @35%
Wool.....⅌ @25%

Carpet Stretchers—
Cast Steel, Polished.....⅌ doz. $2.25
Cast Iron, Steel Points. ⅌ doz.75@90c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....75%
Socket.....⅌ doz. $1.75

Carpet Sweepers—
Bissell's:
Grand.....⅌ doz. $36.00
Gold Medal.....⅌ doz. $27.00
Prize.....⅌ doz $27.00
Premier.....⅌ doz. $27.00
Superior.....⅌ doz. $27.00
Cosmopolitan.....⅌ doz. $37.00
Furniture Protector, Japanned.....⅌ doz. $24.00
Furniture Protector, Nickel.....⅌ doz. $27.00
Inter Ocean.....⅌ doz. $37.00
Hall.....⅌ doz. $48.00
Crown Jewel, japan finish, ⅌ doz $ 9.00
Crown Jewel, silver bronze trimmings, ⅌ doz.....$20.00
Crown Jewel, nickel trimmings, ⅌ doz.....$21.00
Excelsior.....⅌ doz. $22.00
Garland.....⅌ doz. $18.00
Grand Rapids, Jap...⅌ doz. $24.00
Grand Rapids, Nick..⅌ doz. $27.00
Housewife's Delight..⅌ doz. $15.00
Improved Parlor Queen Japanned.....⅌ doz. $24.00
Improved Parlor Queen Nickeled.....⅌ doz. $27.00
Standard.....⅌ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ⅌ doz. in 5 doz. lots, $2.00 ⅌ doz. in 10 doz. lots.

Casters—
Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%
Deep Socket.....60%
Martin's Patent (Phoenix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....60%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@ 5& 10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screw Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
American Coil, in cask lots at factory
16	¼	5 16	⅜	7-16	½	⅝	¾
$6 75	6 00	4.00	3 75	3.50	3.40	3.30	3.15

Less than cask lots, add ¼c @ ½c ⅌ lb.
Trace, Wagon and Fancy Chains, 60&10&1 @70%
Covert Mfg. Co.....45%
German Oil.....7 @70&10%
German Halter Chain.....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....4 &2%
Covert's Heel Chains.....45&5%
Covert Mfg. Co. Chains.....15%
Galvanized Pump Chain, with Buckles.....6¼@7½c
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—
Enterprise.....25%

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 80&5@80&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to $
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&5&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ⅌ lb 14c@16c
Box.....60&10%

Chucks—
Beach Pat....each 3.00.....30%
Morse's Adjustable, each $7.00 20@30&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....4%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....35%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.35%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..10& 10@50&10&5%
Carriage Makers' P. S. & W. Co. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .... 2 & 0%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10&10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—
Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s: Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40& 10@50%
Williamson's.....33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....50%
Samson.....⅌ doz $10.00

Corn Huskers—
Blair Husking Glove Co.:
No. N. R. G Gloves...⅌ doz. $12 00
No. 123 Gloves.....⅌ doz. 4.50
No. 125 Gloves.....⅌ doz. 6.00
No. 150 Gloves.....⅌ doz. 9 00
No. 155 Gloves.....⅌ doz. 8 0)
No. 146 Gloves.....⅌ doz 9 00
No. 5: Gloves.....⅌ doz. 7 50
No. 142 Gloves.....⅌ doz. 7.00
No. 1 8 Gloves.....⅌ doz. 6 00
No. 052 Gloves.....⅌ doz. 8.00
No. 147 Gloves.....⅌ doz. 4 50
Wrist Supporters.....⅌ doz. .75
No. 160 Husking Pin..⅌ gro. 7.00
No. 165 Husking Pin..⅌ gro 10 50
No. 170 Husking Pin..⅌ doz. 2 0
Hubbard's Solid Steel.⅌ gr 6.00 33⅓%
Perkins Boss:
Styles A and B, ⅌ doz. $2.00; E, $ .75.....6%
Wrist Supporters.....⅌ doz. 75c
Mittens.....⅌ doz. $1.50
Aahtabula.....⅌ gro. $2.50
Brinkerhoffs.....⅌ gro. $15.00
Buckeye.....⅌ gro. $4.00
Cleveland.....⅌ gro. $7.50
Johnson's.....⅌ gro. $6.50
Universal.....⅌ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—
Sargent's List.....20%
Dixon's
Eclipse.....⅌ gro. $3.75
Emerald.....⅌ gro. 5.00
Oriole.....⅌ gro. 5.00
Rainbow.....⅌ gro. 2.81
Solid.....⅌ gro. 7.50

Curry Combs—
Spring, Jap'd ⅌ doz $1.75; Blued, $2 25; Nickeled, $4.00.
Rubber, ⅌ doz. $7.00.....20⅌10%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....⅌ doz. $1 75
F. E. Kohler & Co.'s Humane ⅌ doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½
$1.35 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.25, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—
Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan. 1893.....33⅓%

Door Springs—
Torrey's Rod, 39 in, ⅌ doz $1.20@1.25
See Rod ⅌ gr., $20.00.....20%
Warner's.....5@5&5%
Gem (Coil), list April 19, 1886. 25&10%
Star (Coil), list April 19, 1886. 20&10 &10%
Foster's (Coil).....20%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ⅌ doz, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ⅌ doz. $5.50. 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 80@80&10%
Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15 1 @35%
L. & I. J. White.....2.&5@35%
Bradley's.....35%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—
Blacksmiths'.....each $1.75
Breast, P. S. & W.....40&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 19, ⅌ doz.....$18.00
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....35%
Ratchet, Parker's.....2@30&5%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.35@30%
Ratchet, Billings' Dble. Acting 33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1 85
Stearns' Bench.....5@10&10%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover (Dover Stamping Co.) ⅌ doz $1.00; per gross.....$10.50
National, ⅌ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ⅌ gro $17.00 @$18.00
Duplex (Standard Co.)...⅌ doz $1.00
Rival (Standard Co.).....⅌ doz $1.00
Duplex Extra Heavy (Standard Co.) ⅌ doz $3.50
Triumph (T. & S. Mfg. Co.), ⅌ gro $10.50 $11.00
Ayre's Spiral.....⅌ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

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Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF FF.
Kegs, ₩ lb.	4½c	5c	3c
½ kegs, ₩ lb.	4½c	5½c	3½c
¼ kegs, ₩ lb.	5c	5½c	3½c
10 lb cans, 10 in case	6c	6½c	5½c
10 lb cans, less than 10	10c	10c	8c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
Peerless, 1st quality, Cork Lined...40%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....42%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No 5.	No 5x.
Water Pails, 12 qt	$3.00	$3.50	$4.00
Dairy Pails, 14 qt.	$3.30.	4.00	
Fire Pails, No. 2, 14 qt.	4.00		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6.50		
Slop Jars (bal. trap), No. 5 and 5x. 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5 50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch	1.75	1.90	2.30
" (12 inch)	1.90	2.80	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3. 0	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed)	3.50	4.00	4.50
Spittoons, 10 and 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—

DOMESTIC—
Best Brands.....60&10&10@70%
Good Brands.....70&5@70&5%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&10&10%

IMPORTED—
Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters:

A 1, $4.50	No. 2, $2.50	No. 3, $1.75	No. 4, $ .90	₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (600 base).....10%

Fluting Scissors—

List.....45%

Forks—

Hay, Manure, &c., Asso. List....75%
Hay, Manure, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65%
White Mountain.....60@60&10%
Ohio.....60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—

Standard List:

No	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@75&10%

Gauges—

Marking, Mortice, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....2%
Wire, Brown & Sharpe's.....1 @ 0%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₩ gro ...$1.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25&5@35%

Glue Pots—

Tinned.....10@50&10%
Enameled.....10@50&10%
Family, Howe's "Eureka".....45%
Family, L. F. C.'s "Handy".....10%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P. S. & W. Co.....60&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters.....33⅓%
Web and Rope Halters...33⅓&10%
Horse and Cattle Ties.....33⅓&5%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—
Maydole's.....25&10 @25&10&10
Buffalo Hammer Co....
Humason & Beckley... } 5&10@65%
Atha Tool Co.....
O. Hammond & Son. List..4 &10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₩ doz.....
Nos. 1, $3; 2, $5.....33⅓%
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 36c } 75@75&5%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths...10c@10½c₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%

Handles—

IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.05	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's...50&10@50&10&10%
Roggin's Latches ₩ doz.....28c@30c

STORE DOOR HANDLES—
Japanned Nu s.....$1 62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....10&30%
Brad Awl.....₩ gr. $2.00
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00 } 50&10@50&5%
Apple Firmer Chisel, as..₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 8.00
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted ...₩ gr 5.00 } 50%
Auger, large.....₩ gr 7.00
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.6 &10@60&10&10%

CROSS-CUT SAW HANDLES—
Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $12.00; No. 3 $25.0; No. 4. $15.00.....75%
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction 60&10@60&10&5%
Duplex (Wood Track).....60&10&5%
Terry's Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....40%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
Manger Hanger.....30&10%
Davis Parlor Door.....50@50&5%
Cronk's Steel Covd Anti-Fric...60%
Cronk's Acme, Flat Steel ₩ doz. $7.00.....75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10
Warner's Pat.....@25&10%
Stearns' Challenge.....20&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....50@50&5%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....40%
No. 50 Hanger.....50%
Royal.....50%
Star.....40&10%
May.....50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....50%
Moore's Elevator.....33⅓%
Moore's Railroad.....33⅓%
.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6 5 @$7.50
Gem.....₩ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—
Strap and T.....50@50&10%
Corrugated Strap and T..50@50&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. } 6 to 12 in., ₩ lb 3c; 14 to 20 in., ₩ lb 2½c; 22 to 36 in., ₩ lb 2c
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....60&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ lb, 5c. 14 to 36 in. ₩ lb, 4c.

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts..40%
Bardsley's Patent Checking.....15%
Kel's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
American.....20%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.00
New Idea, No. 1, ₩ gro.....$12.00
New Idea, No. 2, ₩ gro.....$24 00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting.....25%
Union Mfg. Co.....25%
Bommer's.....35%
Buckman's.....35%
Chicago.....30%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13 00
Devore's No. 1.....₩ gr. $ 3.00
Rex.....₩ gr $ 3.00
Royal Japanned.....66⅔%
Royal Bronze.....40%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....80%
Rubber.....66⅔%

GATE HINGES—
Western, ₩ doz $4.20, 60&10@60&10&5%
N. E...₩ doz $7.80, 60&10@30&10&5%
N. E. Reversible..₩ doz $6.60, 60&10@60&10&5%
Clark's Nos. 1, 2, 3..... 70@70&5%
N. Y. State..₩ doz $4.90, 6 &10@60&10&5%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10&5%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&25%
Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 2, 3, 40 and 50.75&10&5
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 2, 3, 5, 11, 13, 75@75&10%

Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½%

Hitching Cords—

Covert Mfg. Co.....5%

Hoes—

HANDLED—
Garden, Mortar, &c.....75@80%
Planter's Cotton, &c.....8 &2%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'.....8 &10%
Ladies'.....8 &10%
Toy.....80&10%

EYE—
D. & H. Scovil.....30%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5&10&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

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Hollow Ware—

IRON—

Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Maslin Kettles ..... 75&10@80%
Boilers and Saucepans ..... 60@0&10%
Tinned Boilers and Saucepans ..... 60&10%
Granite and Agate-Ware ..... 40&10%
Ironclad Enameled-Ware ..... 60&10%
Rustless Hollow-Ware ..... 50@60&5%
Triumph Broilers 50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Reed & Barton ..... 40@40&5%
Meriden Britannia Co. ..... 50&15%
Simpson, Hall, Miller & Co. ..... 40&10&5%
Rogers & Brother ..... 40&15%
Hartford Silver-Plate Co. ..... 40&5%
William Rogers Mfg. Co. ..... 40&15&5%

Hooks—

CAST IRON—

Bird Cage, Sargent's list
Bird Cage, Reading ....
Clothes Line, Sargent's list. } 60&10&10@70% 5 &10%
Williamson Bird Cage, new list 40%
Ceiling, Sargent's list ..... 50&10%
Harness, Rg. list ..... 70@70&5%
Coat and Hat, Sargent's list ..... 60&10%
Coat and Hat, Reading, 60&10@60&10&10%
Coat and Hat, Moore's 70%
Wardrobe 55%
Screw Hat 70%
Chandelier 70%
Lamp 55%
Screw ..... 80&10&10%
Picture 75%
Cup 75%
Safety Gate 60%

WROUGHT IRON—

Cotton ..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works 3%
Tassel and Picture (T. & S. Mfg. Co.) 75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz 60c

MEAT—

Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00 ..... 40%
Enterprise 33⅓%

WIRE—

Atlas Coat and Hat ..... 40@40&10%
Wire Coat and Hat, Gem, list April, 1896 ..... 70%
Wire Coat and Hat, "Cree't" ..... 60&10%
Wire Coat and Hat, Miles', list April, 1896 ..... 50@50&10%
Indestructible Coat and Hat 45%
Wire Coat and Hat, Standard 45%
Wire Drive 60%
Belt ..... 60&10@60&10%
Handy Coat and Hat ..... 60@60&10%
Steady Celling ..... 60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—

Dunlap's Merchandise 25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush ..... 5 @ 6%
Whiffletree—Premium 5%
Hooks and Eyes—Malleable ..... 70&10%
Hooks and Eyes—Brass ..... 60&10&10%
Moores' Clothes Line 70%
Moores' Harness 70%
Moores' Hotel & School House 70%
Wm. Johnson's Cotton, Box and Hay 60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9½	9½	9½	9½	9½	net
Ausable	25c	25c	25c	24c	23c	40&5&2½
Clinton Fin.	19c	17c	16c	15c	14c	50&5%
Essex	26c	26c	25c	24c	23c	40&10@40&10%
Lyra	9½c	9½	9½	9½c	9½c	net
Snowden	9½c	9½	9½	9c	9½c	net
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n	25c	23c	22c	21c	20c	25@25&5%
A. U.	25c	23c	22c	21c	21c	40&10%
C. B. K.	25c	23c	22c	21c	21c	40%
Maud S.	25c	23c	22c	21c	21c	50&10&5%
Champlain	28c	26c	26c	24c	23c	40&5&2½
Saranac	23c	21c	20c	19c	18c	40&5%
Champion	23c	23c	22c	21c	20c	40&5&2½
Capewell	19c	18c	17c	16c	16c	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	60%
Empire Bronzed						10@10½c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co. 45%

Hose, Rubber—

Boston Belting Co.:
"Imperial" ..... 30&5%
"Boston" ..... 50&10&5%
Competition ..... 75@75&10%
Standard ..... 70&10@70&10&5%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%

Ice Chippers, &c.—

Dunlap's No. 1 ..... $3.50 per doz 20%
Dunlap's No. 20 ..... $12.00 per doz 20%
Crown ..... $6.00 per doz 25%
Star ..... $3.00 per doz 25%
Gem Ice Shave ..... $6.00 per doz 25%
Copeland Ice Pick ..... ₩ gr $9.00 net
Wm. T. Wood Ice Tools ..... 50&10%
Sargent's Ice Awls 55%

Jack Screws—

See Screws.

Kettles—

Spun Plain Brass ..... 35&5%
Spun Brass, plated inside with White Metal ..... 2&5%
Stamped Brass Kettles, ₩ lb 19@20%

Keys—

Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad ..... 40&2%
Eagle Lock Co's. Cabinet &c. 33⅓&2%
Lock Asso'n List Dec. 30, 1886. 50&10@60&5%
Hotchkiss' Brass Blanks 40%
Hotchkiss' Copper and Tinned 40%
Hotchkiss' Pad and Cab 35%
Ratchet Bed Keys ..... ₩ doz $4.00, 15%
Wollensak Tinned ..... 50&10%

Knives—

Goodell's Butcher 25%
Wilson's Butcher Knives 25%
Ames' Butcher Knives ..... 25@25&10%
Foster Bros.' Butcher, &c. 40%
Nichols' Butcher Knives 50%
Cigar Knives ..... ₩ doz. 85 @ $1.15
Ames' Shoe Knives ..... 2 @ 0%
Goodell's Shoe Knives 40%
Goodell's Bread Knives Ass'n list. net
New England Specialty Mincing Knives 50%
Pocket Knives 50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier 25%
Seconds 40%
F. E. Woolworth & Co. ..... 50@50&5%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread ..... 35@35&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives ..... List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal 50%

Knobs—

Door Mineral ..... 55@40%
Door Por. Jap'd ..... 60@70%
Door Por. Nickel ..... $1.75@2.00
Door Por. Plated, Nickel ..... $1.75@2.00
Drawer, Porcelain. 60&10@60&10&10%
Hemacite Door Knobs ..... 40&10@50%
Yale & Towne Wood, list Dec. '95. 40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890 ..... 50&10%
Bardsley's Wood Door, Shutter and Base 15%
Kell's Bronze ..... net
Base, Rubber Tip ..... 70&10&5%
Picture, Judd's ..... 60&10&10@70%
Picture, Sargent's ..... 70&10%
Picture, Hemacite ..... 35&5%
Shutter, Porcelain ..... 70@70&10%
Shutter, Bronzed 60%
Carriage, Jap ..... ₩ gro. 80c, 60&10%

Ladies, Melting—

Sargent's ..... 60&10@60&10&5%
Monroe's Pat ..... ₩ doz $4.00, 40%
P. S. & W ..... 35&10@40%
Warner's 30%

Lawn Mowers—

New Easy ..... @60&10&10&60&1 &10%
Enterprise 40%
Standard ..... 60&5%
Imperial ..... 60&10&10%
New York ..... 60&5%
Philadelphia, Styles O. & M., D. & G. U. & S. B., Self-adjusting C. & L. High Wheel ..... 70&10%
Philadelphia, Style A., all Steel, 6 &10%
Champion ..... 75&10%
Sunbeam ..... 60&10%
Pennsylvania ..... 60&10%
Continental ..... 60&10%
Great American ..... 70&10%
Rapid Transit ..... 70&1 &10%
New Departure, High Wheel, 7 & 10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—

Enterprise 35%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz $12.00 $15.00 $21.00 40%
No. 4, $7.00 each 33⅓%

Lemon Squeezers—

Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 2 &10%
Jennings' Star ..... ₩ oz $2.25
The Boss ..... ₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $3.50 net
Little Giant ..... 50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.00
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40 ..... 20%

Letter Box Plates—

Sargent's ..... 60&10&10%
Name Plate ..... 60&10%
Name Door Plate 50%
Number Door Plate 50%

Levels—

O. E. Jennings & Co.'s:
Hexagon 25%
Iron Bench, new design 25%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's. 50%
Cotton Chalk 55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 ..... 10%
Hoffman Corkran 23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro 30%
Mason's Linen 33⅓%
Mason's Colored Cotton 4%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 30%

Locks—

DOOR LOCKS, LATCHES, &c.—

R. & E. Mfg. Co., list March 20, 1889 ..... 6 &10@70%
Mallory, Wheeler & Co., list July, '88 ..... 60&10@70%
Reading Hdw. Co. List Feb. 2, '98. 60@60&10%
Sargent & Co., list July, '94 ..... 60&10@6 &10&10%
Branford Lock Co. ..... net prices
Norwich Lock Mfg. Co. ..... 55&5%
Craig Combination ..... net prices.
Brittan, Granam & Mathes, net prices.
Champion Night Latches 40%
Plate 33⅓%
Barnes Mfg Co. ..... 40@40&10%
Yale ..... net prices
Delta Flat Key 30%
Romer's Night Latches ..... 10&5%
Brooklyn Latches ..... 50&10%
Shepardson or U. S. 35%

CABINET—

Cabinet Locks ..... 60&10@70%
Eagle Lock Co. ..... 25&10%
Charles Parker Co. ..... 33⅓&2%
Dietz, Nos. 22 to 79 ..... 40%
Dietz, Nos. 41 to 74 ..... 45%
Dietz, Nos. 87 to 93 ..... 30%
Stoddard Lock Co. ..... 30@33⅓%
Yale ..... net prices
Romer's 25%
Barnes Mfg. Co. ..... 40@40&10%

PADLOCKS—

Wrought Iron ..... 70&10@80%
Gem, Corbin Cabinet Lock Co. 40&2%
Eagle 40%
Eureka, Eagle Lock Co. ..... 40&2%
Yale Lock Co. ..... net prices
Romer's Nos. 0 to 3 ..... 40&5%
Scandinavian ..... 9 &40@40&10%
A. E. Dietz 40%
Champion Padlocks 40%
Hotchkiss 30%
Star ..... 60&10%
Horseshoe ₩ doz. $9.00 ..... 5 @5 &10%
Barnes Mfg. Co. ..... 5 @ 0&10
Nock's ..... 3 &10%
Brown's Pat ..... 20&10%
Scandinavian ..... 90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line ..... 90&50%
Nos. 120 line ..... 90&25%
Nos. 1 9 line 65%
Nos. 225, 610 ..... 75%
Nos. 510 line ..... 70&10%
Other numbers ..... 50&5%
Ames Sword Co. up to No. 10, inclusive 50%
Ames Sword Co. above No. 10, ... 50&10%
Acme Bicycle and Satchel per doz. $9.00 ..... 33⅓%
Smith & Egge Bicycle 60%

Mallets—

Hickory ..... 30&10@40%
Lignumvitæ ..... 20&10@40%
Raw-Hide ..... 40&10%

Mattocks—

Regular list ..... 70&10@75%

Meat Cutters—

Dixon's ..... ₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz. 33⅓%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz ..... 70@70&5%

Nos.	11	12	13
	$37.00	$38.00	$45.00

American 30%

Nos.	1	2	3	4	5
Each	$5	$7	$10	$35	$50	$60

Perfection 40%

Nos.	1	2	3
Each	$2.00	$3.75	$4.00

Enterprise ..... 25&30%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz ..... 45@45&10%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1 ₩ doz $36.00 ..... 60%
Draw Cut, each:

Nos.	5	3	6	8
	$50	$75	$80	$225

..... 20&25%
Beef Shavers (Enterprise) ..... 25@30%
Little Giant ..... 50&10%

Nos.	305	310	313	320	323
	$13.00	$16.00	$14.00	$18.00	$ 8.00

Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.
Wire Nails and Brads, Patented, Association list, May 1, 1895 ..... 10@8 & 0&10%
Grand Crossing Tack Co. List:
Wire Brads ..... 80&25%
Wire Nails ..... 80&2½%

PICTURE—

Brass Head, Sargent's list, 75&1 @ 70&10&10&5%
Brass Head, Combination list, 50&10%
Porcelain Head, Sargent's list, 50&10%
Porcelain Head, Comb'n list, 40&10%
Niles' Patent 40%

FURNITURE—

Plain 40%
Fire Gilt 10%
Antique Bronze 10%
China 25%

Nail Pullers—

Black Hawk, per doz $9.00
Curtiss Hammer ..... ₩ doz $18.00
Giant, No. 1 ..... ₩ doz $15.00, 2 @10%
Giant, No. 2 ..... ₩ doz $15.00, 2 @10%
Pelican ..... ₩ doz $9.00, 25&10%
Lightning ..... ₩ doz $18.00, 20%
Scranton No. 2 ..... ₩ doz. $10.00
Scranton No. 3 ..... ₩ doz. $9.00

Nail Sets—

Square ..... ₩ gr. $4.00@$4.75
Round ..... ₩ gr. $3.25
Buck Bros. 37½%
Einwachters ..... 60&10%
Cannon's Diam'd Point ₩ gr. $12, 25%
Humason's ..... 50&10%
Dunlap's 20%
Wm. Johnson's Round, Square and Octagon 50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00 ..... 50%
Turner & Seymour Mfg. Co. 50%

Nuts—

Cold Punched, Square ..... 4½c off list
Hex ..... 5c off list
Hot Pressed, Square ..... 5½c off list
Hex ..... 6 off list
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped 10c

Oilers—

Zinc and Tin ..... 70&10@75%
Brass and Copper ..... 50&1 @ 0%
Malleable, Hammers, Improved ..... 10&5%
Malleable, Hammers, Old Pattern, same list ..... 50&1 @80%
"Perfect" Pocket Oilers, ₩ doz $1.85
Prior's Pat. or "Paragon" Zinc 70%
Prior's Pat. or "Paragon" Brass 67%
Steel, Draper and Williams 50%
Tower & Lyon Bicycle 25%
Wilmot & Hubbs Mfg. Co's Steel Anti-Rust ..... 70@ 0&10%
"Star" Oilers ..... ₩ doz. 85c

Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross $7.50
Indian Pond Red End, No. 1, ₩ gross 7.00
Indian Pond Red End, No 2, ₩ gross 5.00
Black Diamond, No. 1 ..... 12.00
" No. 2 ..... 8.00
Genuine Lamoille 11.00
Genuine Ragg, 10 inch 12.00
" 9 " 10.00
" No. 2 ..... 5.00
Discount 33⅓%

OIL STONES—

Pikes Washita:
Lily White 60
Rosy Red 60
Extra Green Paper Wrapper, ₩ lb 50
No. 1 40
No. 2 30
Pike's Washita Round Edge Slips: 3 to bx 1¾ to 2¾ to ¾ at back, ⅛ to 5-16 edge ₩ lb:
Lily White 90
Rosy Red 90
Extra, same sizes as above 80
No 1 70
No. 2 40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb 70
Discount 33⅓%
Pike's Washita Mounted:
8x2, ₩ doz $12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%
Pike's Washita Axe Stones:
About 2x8x¾ to 1½, ₩ lb 24
" 2x2x¾, extra selected 40
Discount 33⅓%
Pike's Arkansas:
No. 1, 3 to 5¼x1¼ to 2x¾ to 1, ₩ lb 2.80
No. 1, 5¼ to 8x1¼ to 2x¾ to 1, ₩ lb 3.50
No. 1, 3 to 12x1¼ to 3½x¾ to 1¼, ₩ lb 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅛ to ⅝ ₩ lb 4.00

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x⅝ to 1¼ ₩ lb .08
Washita Finish, about 8x2x⅝ to 1¼ ₩ lb..... .10
Round Edge Slips, about 6x1⅛ to 2x⅛ to ⅝ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1⅛ to 2x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1⅛ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x⅝ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x⅛ to 1 ₩ lb..... .10
Special Axe, 2½x1¼x⅛ ₩ lb... .18
Pike's Sandstones:
Small, 8x1½x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8½x2x1¼, weight about 1½ lb, ₩ lb..... .05
Large, 8¼ to 9x2½x2, weight about 2 lb, ₩ lb..... .05
Small table, 9 to 9¼x2½x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanizing, per lb 70c..... 40%
Boston "Phœnix" Red Sheet, per lb..... 50c.net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 4 %
N. Y. B. & P. Co., 1846-Para....40&10%
N. Y. B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon..... 60 %
Standard, Fair Quality... 7 to 1 @75%
Extra..... 6½& @ 0&...& %
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2 XL.50%
Jenkins' Standard ₩ lb 30c ₩ @35&5%
MISCELLANEOUS—
American Packing .....9c@10c ₩ lb
Russian Packing.....14 @14c ₩ lb
Italian Packing.....12c@13c ₩ lb
Cotton Packing.....14 @15c ₩ lb
Jute..... .....6 @7c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.10
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 8.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.10
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.10
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3 7
White Mountain.....₩ doz 4.00
Reading, 78.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—
WOOD PLANES—
Molding.....4f&7%
Bench, First Quality.....5 &7%
Bench, Second Quality.....
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Shin.....40%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's..5 &10&1 @70&10&10&10%
Miscellaneous.....35&10%
Steers Iron Planes..50&10@55&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..30&10%
Chaplin's Iron Planes.....50%
Sargent's.....6.@6 &10%
Standard Tool Co.....50@55%
Siegley's Comb'sation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
} 3 &10@30 &10&10%
L. & I. J. White.....2 &7@35%
Stanley Rule & Level Co.... & 10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Pliers.....70%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $9.00.....& 0%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.....50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....5 @5&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....2½%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk, Stubb's Pat. Pliers.....5 %
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls 33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex..... 2 & 1 %
Stanley's Handy..... 2 &10
Regular List.....75&10@ %
Disston's.....50%
Pocket Levels.....7 &10&10@7 &10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johns n's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.5 @5 .5
Dixon's Plumbago.....₩ lb 8c

Poppers, Corn—
Round or square, 1 qt. ₩ doz. $ .00; ₩ gr. $3.00; 1½ qt ₩ doz. $1.4 ; ₩ gr. $9.0 ; 2 qt., ₩ doz. $1 5 ; ₩ gr. $14 00 } 10@15
Quincy corn Popper, 1 qt., ₩ doz. $ 00; 2 qt., $4 0 .....33⅓%

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw, ₩ doz $18.00, 25&5&10%
Disston's Pruning Hook.....₩ doz $12.00, 25&25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale, 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@3 75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel.....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. I, $9.00 ₩ doz 25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—
Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned...60&10&10%
Awning.....66⅔@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 8 @8 &10%
F. E. Myers & Bro.'
No. 1, Fig 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17 00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 9, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 118, Fig. 448, 3½ in. Lift Pump.....$12.00
No 128, Fig. 510, 3 in. Lift Pump.....$7.00
No 131 Fig. 510, 3½ in. Lift Pump.....$8.00
No. 225, Fig. 389, Windmill Pump.....$ 2.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 2 5, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30 00
No. 250 Fig. 4 4, Imperial Cyclone Pump.....$18 00
No. 265, Fig. 5 2, Cyclone Tank Force Pump.....$ 7 00
No. 267, Fig. 483, Geyser Tank Force Pump.....$ 7.00
No. 268, Fig 513, Low Down Tank Force Pump.....$16 00
No. 3 2, Fig. 477, Spray Pump complete.....$11.50
No. 82, Fig. 492, Bucket Spray Pump.....$5.50
No. 33, Fig 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55%
Spring, good quality, ₩ doz $1.20@1.0
Spring, Leach's Pat.....1 %
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....5 &5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S. & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—
Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe $6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.50
Planished Iron, to fit 7 in. Stove Pipe.....$8.50
Planished Iron, to fit 8 in Stove Pipe.....$ 0 00

Rail—
Sliding Door, Wr't Brass, 1½ in. ₩ ft, 8c.....80&10@40&5%
Sliding Door, Bronzed Wr't Iron ₩ ft. (½
Sliding Door, Iron, Painted...₩ ft 6c
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....2½c
Victor Track Rail, 7c ₩ foot.....0%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—
Cast Steel, Association goods.75&10%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Onsida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.50
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1.net ₩ doz. $4.50
Gibbs' Rustler, No. 0 net ₩ doz. $4.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....35%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..35%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $2.50. } 35%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth.....$2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....10%
Jordan's AAA1, list Nov. 1, 1889...0%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis-Kell & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Norway, list July 1, '95.....6 %
Coopers.....65%
Block.....65%
Carriage.....65%
Hame.....65%
Burrs.....65%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—
Regular list.....70%

Rods—
Stair, Brass.....2f@10%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list..60&10& 10@70%
Moore's Acme Barn Door.....10%
Moore's Adjustable Stay.....5o%
Union Barn Door Roller.....70%

Rope
Manufacturers' Prices:
Manila, 7-16in. & larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 7 c
Man Hay Rope, Med. ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 5½c
Sisal...¼ and 5-16 in ₩ lb 6 c
Sisal, Hay Rope..... ₩ lb 5 c
Sisal, Med. L'the Y'rn ₩ lb 4½c
} 1½c for cash in 10 days.
Cotton Rope, Best, ¼ in. and larger.....₩ lb 1 @ 1½c
Medium, ¼ in. and larger, ₩ lb 1 c
Common, ¼ in. and larger, ₩ lb..8c
Jute Rope..... ₩ lb 1½@4c

Rules—
Boxwood...8c&10c&10c&10&8c&10&10 &10&5%
Ivory.....c&...0%
Miscellaneous, Stanley's.....0%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10.....₩ lb 2@2½c
Self-heating.....₩ doz $10.00, ..%
Self-heating, Tailors' ₩ doz $22.5 , 25%
Gleason's Shield and Toilet.....0%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co..... 1½
New England.....6c, 20&10%
Mahony's Trov Pol. Irons.....15%
Sensible Pol., ₩ doz $1 .0.....20%
Ideal.....₩ doz $7.00
National Self-heating.....5 %
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No 50, ₩ set.....$ .75 net.
No 55, ₩ set. ..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co:
Crown, Improved Pol, ₩ doz $1 50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper..30& 10& 10@1%
Emery Cloth.....50&10%
Garnet Paper.....30&5%

Sash Chain—
Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—
Common.....₩ lb 8½c@ 9c
Jute, good quality.....₩ lb 1 c
White Cotton Braided, fair...₩ lb 2 c@24c
Common Russia Sash.₩ lb 12c@ 3c
Patent Russia Sash...₩ lb 13½c@ 4c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Hemp Sash.....₩ lb 1½c@ 1c
Silver Lake:
A Quality, White..₩ lb 5c....10%
A Quality, Drab...₩ lb 5c.... 40%
B Quality, White ₩ lb 6c, 1f&7½%
B Quality, Drab, ₩ lb 8c...15&7½%

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C Quality, White (only) 26½c @ 28c
Sylvan Spring:
Extra Braided White.....₩ ℔ 36c
Extra Braided Drab.....₩ ℔ 33c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ℔ 30c
"Samson" Braided Drab, Cotton.....₩ ℔ 35c
"Samson" Braided Italian Hemp.....₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 33c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....60&10@5 &10&10
Hammond's Window Springs, A 5&10%
Hammond's Window Springs, B. 50%
Common Sense, Jap'd, Copp'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86.....70%
Payson's Perfect.....70%
Hugunin's Sash Balances.....3½&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@10&10&10%
Davis, Bronze, Barnes Mfg. Co....%
Champion Safety.....70&5%
Security.....70%

Sash Weights—
Ton lots at factory.....$13.50@$16.00
Small lots at factory...$14.00@$16.00

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McParlin Cross Cuts.....4&10%
Hand Panel and Rip.....2&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.2&2&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts.....45&10%
Richardson Hand-saws....35@2 &5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....40&10@10%
Griffin's Hack Saw and Blades, 40&1 @10%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—
Star Hack.....25%
White Vermont..₩ gro. $9.00@$9.50
Red, Polished and Varnished...₩ doz., $1.50 25%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw sets—
Stillman's Lever, Nos. 40, 45, 50@55&10%
Common Lever ₩ doz., $2.00, 40@5%
Morrill's No. 1, $15.00; No. 10, $18.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $8.00; No. 1, $10.00, 33⅓@75%
Cunningham Band.....15%
Automatic.....25%
Nash's.....30&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50 2@2&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—
Union Platform Plain...$2.00@$2.10
Union Platform Striped..$2.15@$2.25
Chatillon's Grocers' Trip Scales..60%
Chatillon's Eureka.....25%
Chatillon's Favorite.....40%
Family, Turnbull's.....30@30&10%
Richie Bros.' Platform.....40@40&10%
Brittan Graham & Mathes.....60%

Scale Beams—
Scale Beams, List Jan. 12, '92...50&10@50&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...5&10@10&10&5%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz. $2.00
Box, 2 Handle ..₩ doz., $11.00@$14.00
Defiance Box & Ship.....20&10%
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—
Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....50@10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—
Phillips:
Stain d.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30@35%
Standard Oil.....35&40%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5 @10&10
Disston's Pat. Excelsior.....5&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles.....5&10%
No. 66.....7&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@5&10&5%
Nos. 20, 40 and 60 5 &10@5&10&5%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....50%
Gay & Parsons.....35%
Champion.....40@40&10%
Clark's Pat.....33⅓@40%
Ellrich's Socket and Ratchet.....40&10%
Howard-Allard....5&10@10&10&5%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
P. S. & W.....7 %
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 37½&5%
"Handy" Ratchet.....20%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....2 &10%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
13½ A.....70&10%
13½ Extra.....70%
13½ Ebonized Handle.....70%
14½.....75%
142 Ebonized Handle.....70%

Screws—
WOOD SCREWS—List, July 1, '95.
Bright Flat Head Iron.....87½%
Br't n'd & Oval Head Iron..82½&10%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....87½%
Round Head Brass.....82½&10%
Flat Head Bronze.....82½&10%
Round and Oval Head Bronze..80&10%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....60%
Round Head Copper.....60
Rogers Drive Screws.....87½%

MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech.....₩ doz $2.25
Hand, Wood.....25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75&2½
Coach list Jan. 30, '95.....75&10&5%
Bed.....30&5%
Hand Rail, Sargent's, 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co..75@75&5%
Hand Rail Am. Screw Co.....8 %
Jack Screws, Millers Falls, Roller Bearing.....5 &10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W.....25%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns'.....40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' No. 1, $8; No. 6, $10; No 7, $15.....25%
Barnes Scroll Saw Blades.....25%

Scythes—
Grain.....50@50&10%
Grass.....50&10@50%

Seeders—
Enterprise Raisin.....33%

Shears—
Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s...60@60&10
American (Cast) Iron. 75&10@80&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'.....20&5%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60% Japanned.....70%
Pruning See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75% Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888.50&10@60&5%
R. & E., list Dec. 15, 1895.....55&20%
Corbin's list.....60&10&5%
Patent Roller.....60&10&5%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1895.....60&5%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&10&5%
Sargent's list.....70%
Reading list.....65&10@75&10&10%

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bars, from jobbers.....$3.15@$3 40
Bryden's Frog Pressure.....$4 00
Perkins Steel Side Weight Hind $3 15 $3 40
Perkins Improved Snow.....₩ ℔ 4c
MULE—
Add 5c ₩ keg to above prices.
OX, WROUGHT—
Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....30%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..30%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....30@30&5@7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....30&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&10%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....60&10@60&10&5%
Brass Head.....60&10&10%

Sifters, Flour—
Hunters' Genuine, ₩ gross, $12@13 50

Slaw Cutters—
Enterprise.....25%

Slicers—
Enterprise Vegetable.....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 70&10&10@70&10&10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list.....40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert Mfg. Co.....45&2½50%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.).60&10%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....3½%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 5&10@20%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&2½%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co.. 40&15&5%
L. Boardman & Son.....50&12½&5%
MISCELLANEOUS—
German Silver.....50&10%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60&5%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....6 &10%
Boardman's Nickel Silver 50&5&7½ &5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....75&10@40%
Nickel-Plated.....
Try Square and T Bevels 60&10&10%
Disston Try Square and T Bevels. 50@50&10%
Winterbottom's Try Mitre...50&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....30@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—½ inch and larger ₩ ℔.....7 @7½c
Barbed Blind—⅝ inch, ₩ ℔..8c@8½c
Round Wire Round Crown....65%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....60&10%
Norway Iron Clinch.....60&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....3 %
Butterfield's Goods.....3½%
Lightning Screw Plate.....25@30%
Reece's New Screw Plates.....25@30%
Reversible Ratchet.....5%
Gardner.....20%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....½ ½%
American Cut Tacks.....62½%
Swedes Iron Tacks:
S. S.....62½%
Lanc.....57½%
Upholsterers' Tacks:
S. S.....66⅔%
Lanc.....62½%
Gimp Tacks:
S. S.....66⅔%
Lanc.....62½%
Lace Tacks:
S. S.....62½%
Lanc.....57½%
Trimmers' Tacks:
S. S.....57½%
Lanc.....50%
Looking Glass Tacks.....33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....66⅔%
Berry Box Tacks.....66⅔%

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Trunk Tacks:
S. S..... 66⅔&5
Lanc..... 62½&5
Miners' Tacks, S. S...... 66⅔&5
Bill Posters' and Railroad Tacks:
S. S..... 6⅔&5
Lanc..... 62½&5
Brush Tacks and Nails:
S. S..... 55%
Lanc..... 5 %
Hungarian Nails..... 57½&5
Common and Patent Brads..... 60%
Finishing Nails..... 57½&5
Trunk and Clout Nails..... 57½&5
Basket Nails..... 1 %
Chair Nails..... 45%
Cigar Box Nails..... 45%
Shoe Finders' List, April 14, 1894.
Extra 8½&2% cash.
F. H. Cobbler Nails:
4-4-8in., and shorter, ₩ 100 ℔ $1.60
⅝ in. and longer, ₩ 100 ℔... $1.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

No 18 & 19.	17 & heavier.
2-8&2½-8 in. $64 00	$44 00
3-8&3½-8 in. 54.50	38 00
4-8& longer, 44 50	30.10

MISCELLANEOUS—
Double Point..... 85&10@85&10 2 5%
Wire Carpet Nails..... 80&10%
Bill Nye Brad Box..... $4.00
Bonnie Blue..... ₩ box $1.00
Claw Handle Carpet..... ₩ gr $3.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 10 & 2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5 & 2%.
Parisian Gilt Nails, carton..... 50%
Plymouth Rock Tacks. 66⅔&3⅓&2%
Miniature Keg Tacks. 66⅔&33⅓&2%
Upholsterers' Nails..... 50& 10%

Tack Pullers—
Columbia, No. 1, per doz., net..... $1
" " 2, " " .. 1.50

Taps—
American Screw Co.
Machine Screw..... 60%
Hand and Machine..... 50&10%
Pipe..... 60%
Blacksmiths' Taper..... 50&10%

Tin, Perforated—
Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1. 0
6	$6.95	$1 15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).30&5%
Snips, J. Mallinson & Co..... 33⅓%
Snips—"Clauss"..... 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&10 25%

Trammel Points—
Cook's..... 25%
Stanley's..... 30&10%
Tower & Lyon..... 33⅓%
Jennings "Eureka"..... 25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track..... $3.25
Comb., Car., Wood Track.... $3.25
New Myers Iron Rod Car..... $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track..... $6.00
Double Rail Steel Track complete with clamps. ₩ ft..... .09
Single Rail Steel Track with clamps, ₩ ft..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each..... $1 50
Walker Fork, each..... $1 15
Sprouts Shear Fork, each.... $1.40
Double Grapple Fork, each... $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz..... $3.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz..... $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz..... $1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz.. ..... $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz..... $2.00
Floor Hooks, ¾ in ₩ doz..... .65
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz..... .45
Malleable Rafter Brackets, ₩ doz..... .45
Rope Hitch ₩ doz..... $1.75

Transom Lifters—
Copper Finished..... 50%
Bronze Metal..... 40%
Nickel Plated..... 50%
Crescent..... 55%
Lever..... 55%
Ajax..... 50%
Dicksons..... 60%

Traps—
GAME—
Enterprise Mole..... 15%
Oneida Pattern..... 75&5@77&10%
Newhouse..... 40&10@50&5%
Hawley & Norton..... 70&5%
Victor..... 70&10&5%
All Steel..... 75%
Star..... 50&10%
Blake's Patent..... 60&10@70%

MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole..... 80&10%
S.T...... ₩ doz $6.00, 20%
Mouse, Round Wire. ₩ doz $1.50, 10%
Mouse, Cage, Wire.. ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ ds $3.50, 15%
Mouse, Bonanza.... ₩ doz 90c@$1.00
Mouse, Ideal..... ₩ gr $9.00
Mouse, Delusion..... 33⅓%
Rat Slayer..... ₩ gr $9.50
Rat, Keystone..... ₩ gr $10.00
Rat, Exterminator..... ₩ gr $12.00
Rat, Decoy..... ₩ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₩ doz. 65c.; in full cases..... 60c
Improved Rat..... ₩ gross, $12.50
New Rat..... ₩ gross, $12.50
Schuyler:
Mouse, ₩ gross $18.00..... 50%
Rat..... ₩ gross $15.00
Household..... ₩ gr $10.00
Erie Rat..... 50%

FLY—
Balloon, ₩ doz $1.50..... ₩ gr. $13 50
Electric Rod..... ₩ gr. $16.50
Globe..... ₩ gr. $13.50
Harper..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering..... 15%
Disston's Brick and Plastering..35 @5&10%
Peace's Plastering..... 2@2&5%
W. & McP. Plastering. 25%
Richardson..... 25%
Rose's Brick..... 15&20%
Brade's Brick..... 2@33⅓%
Sargent's Garden, No. 1..... 70%
Sargent's Garden, No. 15..... 50%

Vises—
Solid Box..... 50&10@10%

PARALLEL—
Fisher & Norris Double Screw.... 15%
Armstrong's:
Plain and Hinge..... 60%
Combination..... 50%
Lowell Hand..... 33⅓%
Stephens'..... 20&10%
Holland's..... 40@40&10%
Parker's..... 20@25%
Wilson'..... 55%
Alligator..... 50%
Howard's..... 40%
Massey's Quick Action..... 20@25%
Bonney's..... 50@50&10%
Millers Falls..... 40@40&10%
Trenton..... 40&5@40&10%
Merrill's..... 15@20%
Sargent's..... 70&10@70&10 5 10%
Backus and Union..... 40%
Prentiss'..... 20@25%
Simpson's Adjustable..... 40%
Moore's..... 20%
Little Giant Bench..... 25&10&5%

SAW FILERS—
Bonney's Nos. 2 & 8, $15,00.... 40&10%
Stearn's..... 40%
Stearn's Silent Saw Vises.... 20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.00@$7.50
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving 4½ ft., $ 8.00; 5 ft., $9.00; 5½ ft., $10 ; 6 ft., $11.00; 6½ ft., $12.00; 7 ft., $13.00; 7½ ft., $14 00; 8 ft., $15.00.
Eureka, Two-thirds Whalebone, 4½ ft., $15.00; 6 ft., $ 6.50; 6½ ft., $; 7 ft., $ .00.
Bull Bone, Half-length Whalebone, 4½ ft., $11.00; 6 ft., $12 0 ; 6½ ft. $12.00; 7 ft., $13.00.
American Standard, 4½ ft., $8.00; 5 ft., $8 50; ½ ft., $9. 0 ; 6 ft., $ 0.5 ; 6½ ft., $12 00; 7 ft., $ 3.50; 7½ ft., $14.00 ; 8 ft., 6.5 .
True Grit, Raw Hide Center, 4½ ft. $ .00; 5 ft., $ .0 ; 5½ ft., $ .50; 6 ft., $7.00; 6½ ft., $7. 0; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors ..... 6 ft., $6.00
American Pen Whip, 5 ft., $ .00
Gents' Light Driving, No. 10, 6 ft..... $1.00
Gents' Light Driving, No. 16, 6 ft..... $1.00
Hand-Made Stocked Java, No. 10..... 4½ ft., $3.75; 6 ft., $4.00
Team Whips.... ₩ doz $20 @$7 50

Window Cleaners—
Barnes Mfg. Co..... 40%
Clayton's..... .25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@ 80%
Cop'd, Nos. 0 to 18, 75& @7 &10&5%
Galv., Nos. 0 to 18..... 70 & 10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &10@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ ℔..... 4½c
Galvanized Fence..... 75&10%
Malin's Annealed and Tinned on Spools..... 60&5%
Malin's Brass and Copper on Spools..... 50&5%
Annealed Fence, Nos. 8 and 9.... 75%
Annealed Grape, Nos. 10 to 14.... 75%
Tate's Spooled Wire:
Annealed and Tinned..... 65%
Copper and Brass..... 55%
Brass..... 30@30&5%
Copper..... 45%
Barb Fence..... See Trade Report
Cast Steel Wire..... 50%
Stub's Steel Wire..... $6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30, ₩ ℔..... 6 @70c
Tate's Wire Picture Cord Braided and Twisted..... 8 @10&10%
Picture Wire..... New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft., $1.3 @$ .40
Galvanized Wire Netting.... 8 &10 @8 &35%
Brass Cloth..... 40&55%
Steel Bolting Wire Cloth..... 30@55

Wire Rope—
List.
Iron..... 20&2½%
Iron, Galvanized..... 20&2½%
Cast-steel..... 30&2½%

Wire Rope Clips—
Crosby..... 25%

Wrenches—
Acme:
Bright..... 60&70 &5%
Nickel..... 40& @ 0%
Heavy..... 50%
Alligator..... 60&10%
Hercules..... 70%
American Adjustable..... 40@ 0&10%
Armstrong's..... 40%
Baxter's Adjustable "S" 7 @70& 0%
Baxter's Diagonal..... 60@60&10%
Coes' Genuine ..... 50& @ 0&10%
Coes' "Mechanics'"..... 50&1 & @ 0%
Girard Standard..... 60&10@ 0%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought..... 80&5%
Eagle Pipe..... 50%
Taylor Pipe and Nut..... 40%
Sullivan Pipe..... 45%
Trimo Pipe..... 50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black. 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern..... 30&10%
Cylinder Gas Pipe..... 45&5%
No. 3 Pipe..... 55%
Aiken's Pocket (Bright) $2 50@3.60 60%
Boardman's..... 33⅓%
Always Ready..... 33⅓&10@40&5%
Champion Carriage..... 40%
Donohue's Engineer..... 40%
Trimo Combination..... 40%
Cincinnati Tool Co:
Bit..... 25&10%
Standard Brace..... 25&10%
J. H. Williams..... 25%
Lowell Ratchet..... 33⅓%
Lowell Socket Bridge..... 30%
Lowell Lag Screw..... 25%
Yankee..... 45%
Expert Bicycle..... 33⅓&10%

Wringers, Clothes—
In lots of less than one dozen. Cash. Am. Wringer Co.'s list, July 1893, 2%
Clothy Wringer Co., list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2%
Peerless Mfg Co., list Feb. 1892. 2%
National Wringer & Mfg. Co., list Jan. 1, 1895..... 2%
NOTE.—On lots of 1 dozen a discount of 10 is often given.

PAINTS, OILS AND COLORS.

Oils—
Linseed, City. Raw, in bbls. ₩ gal. 57c
Linseed City, Boiled, " ₩ gal. 6 c
Out of Town on Spot..... ₩ gal. 56c
Calcutta, Raw, in bbls.... ₩ gal. 56c
Lard..... 6½@6 85

Paints and Colors—
Barytes, Prime White. ₩ ton, $14.00@$17 00
Barytes, Foreign Floated. ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$23 00
Barytes, Off Color, ₩ ton, $10.00@$18.00
White Lead, American, Dry. ₩ ℔ 5 @5½c
White Lead, American, in Oil. ₩ ℔..... 5 @5½c
White Lead, English, in Oil, ₩ ℔ 5½@7 c
Litharge, American Powdered, ₩ ℔..... 4½@4¾c
Litharge, English Flake, ₩ ℔ 8½@9 c
Litharge, Glassmakers', ₩ ℔ 5½@6 c
Zinc, American, Extra Dry, ₩ ℔ 3½@4¼c

Putty—
Putty in Bulk..... $1.45@$1.7g
Putty in Bladders..... $1.65@$2 00
Putty in Tins..... $2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal..... 33c

Colors in Oil—
Black Coach Japan ₩ ℔.. 18½@20 c
Black Coach Japan in Oil..... ₩ ℔ 12 @13 c
Black Drop..... ₩ ℔ 7½@10 c
Black Lampblack, prime, ₩ ℔ 27½@33 c
Black Lampblack, medium..... ₩ ℔ 15 @20 c
Black Lampblack, 2d quality..... ₩ ℔ 13 @19
Black, Lampblack, low grade..... ₩ ℔ 6½@10 c
Blue, Chinese..... ₩ ℔ 35 @40 c
Blue, Prussian..... ₩ ℔ 20 @40 c
Blue, Ultramarine.. ₩ ℔ 13 @1 c
Brown, Sienna burt ₩ ℔ 7 @10 c
Brown, Sienna, raw ₩ ℔ 7 @10 c
Brown, Umber burt ₩ ℔ 7 @10 c
Brown, Umber raw. ₩ ℔ 7 @10 c
Brown, Vandyke.... ₩ ℔ 7 @11 c
Green, Chrome..... ₩ ℔ 8 @14 c
Green, Paris..... ₩ ℔ 16 @1-1½c
Red, Indian..... ₩ ℔ 12 @15 c
Red, Venetian..... ₩ ℔ 4½@ 8 c
Yellow, Chrome..... ₩ ℔ 13 @18 c
Yellow, Ocher, French ₩ ℔ 4½ c

TROY DAMPER.

MADE OF

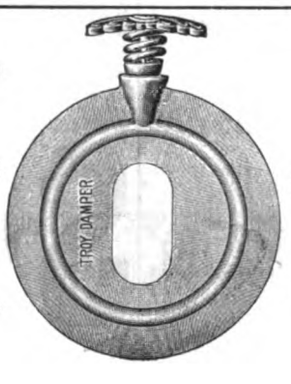
18 GAUGE STEEL.

All Defects in other Dampers removed in this one.

TIME TESTED.

ONE HOLE IN PIPE.

Send for Sample and Prices.



16 Patents.

TROY NICKEL WORKS, TROY, N.Y.

ORIGINATORS

ALASKA

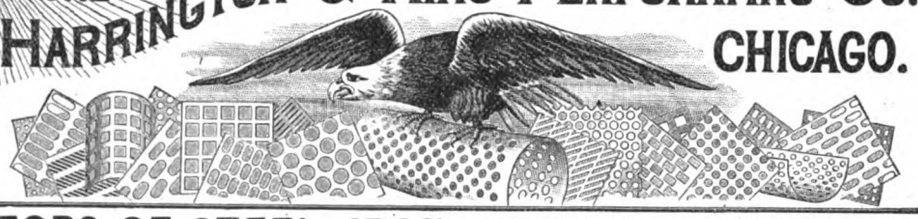
STOVE HARDWARE



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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

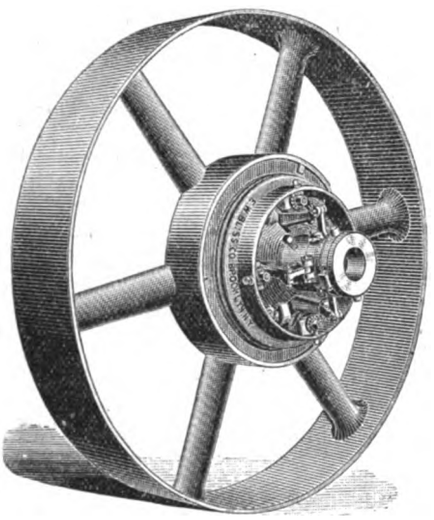
PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, 222 to 240 No. Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.

CHICAGO OFFICE, 96 W WASHINGTON ST. E. W. BLISS CO., 18 ADAMS ST., BROOKLYN, N.Y.



PRESSES, DIES AND SPECIAL MACHINERY.

FOR

ALL KINDS OF

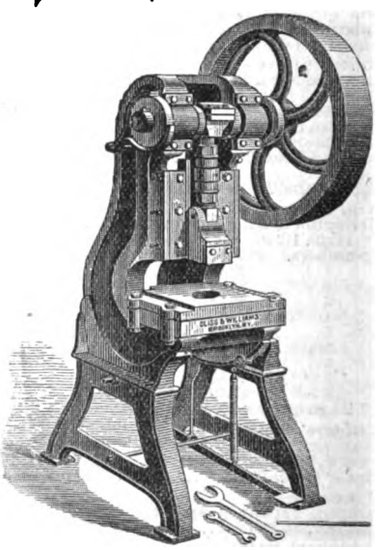
SHEET METAL WORK

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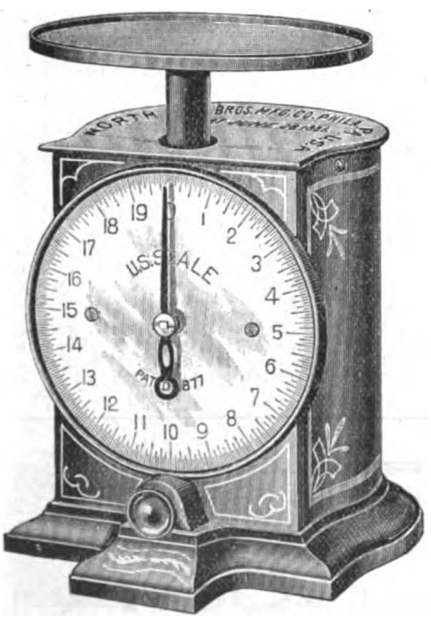
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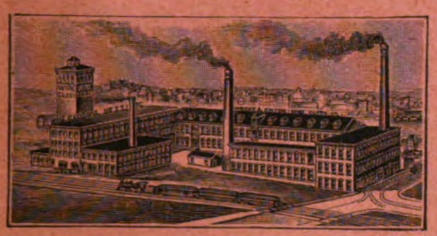
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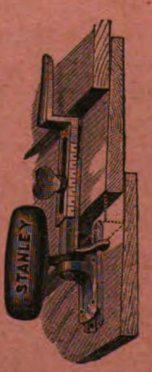
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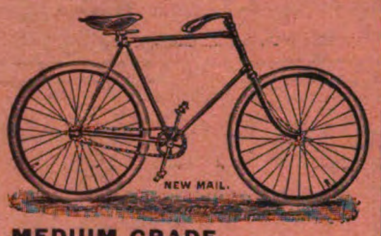
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